

中华人民共和国国家计量检定规程

JG597-202X

交流电能表检定装置

试验报告

规程修订组

2022.04

一、 试验目的

选取不同厂家、不同规格的交流电能表检定装置（以下简称“装置”）或交流电能表自动化试验系统的电能计量检定单元（以下简称“检定单元”）作为检定对象，按照检定规程中规定的主要检定项目进行试验，验证该检定规程的正确性和可行性。

二、 试验项目

1 确定绝缘电阻

1.1 试验方法

试验采用 JJG597-202X 中 7.3.2 对被检装置进行检定。

1.2 所用计量标准

| 名称 | 测量范围 | 等级 | 编号 |
|-------|-------------------|--------|-----------|
| 绝缘电阻表 | 1000V, (0~1000)MΩ | 10.0 级 | 97114467 |
| 绝缘电阻表 | 500V, (0~500) MΩ | 10.0 级 | 1805-4718 |

1.3 被检交流电能表检定装置

| 设备名称 | 型号 | 技术指标 | 设备编号 | 生产厂家 |
|-----------|---------|-------------------------------------|-------------|----------------|
| 单相电能表检定装置 | MTE1801 | 220V, (0.1~100)A, 0.1 级 | 2003102 | 河南锋恩电气有限公司 |
| 单相电能表检定装置 | NK-9101 | 220V, (0.1~100)A, 0.05 级 | 102203028 | 国电南瑞南京控制系统有限公司 |
| 三相电能表检定装置 | YQ-5031 | 3×220V, 3×(0.1~100) A, 0.05 级 | YZ202108012 | 元启工业技术有限公司 |

1.4 试验条件

环境温度：(21.0~25.0) °C

相对湿度：45%~75%

1.5 试验结果

No.2003102; No.102203028; No.YZ202108012

| 绝缘电阻表 额定电压 | 试验部位 | 电阻值 |
|---------------|------------------------------|--------|
| 1000V | 装置的电源输入电路和不通电的外露金属部件之间。 | >100MΩ |
| | 装置的输出电路和不通电的外露金属部件之间。 | >100MΩ |
| | 可触及的带电部件和不通电的外露金属部件之间。 | >100MΩ |
| | 装置的电源输入电路和装置的输出电路之间。 | >100MΩ |
| 500V | 标称线路电压低于 50V 的辅助电路与外露金属部件之间。 | >100MΩ |

1.6 结论

试验结果表明规程检定项目和技术要求合理、检定方法正确，可操作性较强。

2 交流电压试验

2.1 试验方法

试验采用 JJG597-202X 中 7.3.3 对被检装置进行检定。

2.2 所用计量标准

| 名称 | 测量范围 | 等级 | 编号 |
|--------|----------|-------|-----|
| 耐电压测试仪 | (0~5) kV | 5.0 级 | 020 |

2.3 被检交流电能表检定装置

| 设备名称 | 型号 | 技术指标 | 设备编号 | 生产厂家 |
|-----------|---------|------------------------------------|-------------|----------------|
| 单相电能表检定装置 | MTE1801 | 220V, (0.1~100)A, 0.1 级 | 2003102 | 河南锋恩电气有限公司 |
| 单相电能表检定装置 | NK-9101 | 220V, (0.1~100)A, 0.05 级 | 102203028 | 国电南瑞南京控制系统有限公司 |
| 三相电能表检定装置 | YQ-5031 | 3×220V, 3×(0.1~100)A, 0.05 级 | YZ202108012 | 元启工业技术有限公司 |

2.4 试验条件

环境温度：(21.0~25.0) °C

相对湿度：45%~75%

2.5 试验结果

No.2003102

| 试验电压 | 试验部位 | 试验结果 |
|------|------------------------------|---------------------------------------|
| 2kV | 装置的电源输入电路和不通电的外露金属部件之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。泄露电流 0.15mA。 |
| | 装置的输出电路和不通电的外露金属部件之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。泄露电流 3.10mA。 |
| | 可触及的带电部件和不通电的外露金属部件之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。泄露电流 3.10mA。 |
| | 装置的电源输入电路和装置的输出电路之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。泄露电流 0.12mA。 |
| 500V | 标称线路电压低于 50V 的辅助电路与外露金属部件之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。 |

No.102203028

| 试验电压 | 试验部位 | 试验结果 |
|------|------------------------------|---------------------------------------|
| 2kV | 装置的电源输入电路和不通电的外露金属部件之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。泄露电流 0.13mA。 |
| | 装置的输出电路和不通电的外露金属部件之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。泄露电流 3.11mA。 |
| | 可触及的带电部件和不通电的外露金属部件之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。泄露电流 3.11mA。 |
| | 装置的电源输入电路和装置的输出电路之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。泄露电流 0.16mA。 |
| 500V | 标称线路电压低于 50V 的辅助电路与外露金属部件之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。 |

No.YZ202108012

| 试验电压 | 试验部位 | 试验结果 |
|------|------------------------------|---------------------------------------|
| 2kV | 装置的电源输入电路和不通电的外露金属部件之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。泄露电流 0.22mA。 |
| | 装置的输出电路和不通电的外露金属部件之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。泄露电流 2.30mA。 |
| | 可触及的带电部件和不通电的外露金属部件之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。泄露电流 2.30mA。 |
| | 装置的电源输入电路和装置的输出电路之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。泄露电流 0.14mA。 |
| 500V | 标称线路电压低于 50V 的辅助电路与外露金属部件之间。 | 无击穿及电弧放电现象，试验后电能表能正常准确工作。 |

2.6 结论

试验结果表明规程检定项目和技术要求合理、检定方法正确，可操作性较强。

3 错检核查

3.1 试验方法

试验采用 JJG597-202X 中 7.3.5 对被检装置进行检定。

3.2 所用计量标准

| 名称 | 测量范围 | 等级 | 编号 |
|------------------|-------------------|--------|-----------|
| 单相多功能电能表 检定单元 | 220V, (0.1~100) A | 0.05 级 | C17034 |
| 单相多功能电能表 检定单元 | 220V, (0.1~100) A | 0.05 级 | DA04026 |
| 单相多功能电能表 检定单元 | 220V, (0.1~100) A | 0.1 级 | HS1512019 |

3.3 被检交流电能表检定单元

| 设备名称 | 型号 | 技术指标 | 设备编号 | 生产厂家 | 备注 |
|-----------|------------|------------------------|--------------------|------------|----------------|
| 单相费控智能电能表 | DDZY566C-Z | 220V, 5 (60) A, 2 级 | 0371190 5112869 | 河南许继仪表有限公司 | 起动 不合格 1# |
| 单相费控智能电能表 | DDZY566C-Z | 220V, 5 (60) A, 2 级 | 0371190 5112887 | 河南许继仪表有限公司 | 潜动 不合格 2# |
| 单相费控智能电能表 | DDZY566C-Z | 220V, 5 (60) A, 2 级 | 0371190 5112883 | 河南许继仪表有限公司 | 仪表常数 不合格 3# |
| 单相费控智能电能表 | DDZY566C-Z | 220V, 5 (60) A, 2 级 | 0371190 5112868 | 河南许继仪表有限公司 | 基本误差 不合格 4# |
| 单相费控智能电能表 | DDZY566C-Z | 220V, 5 (60) A, 2 级 | 0371190 5112877 | 河南许继仪表有限公司 | 日计时 不合格 5# |
| 单相费控智能电能表 | DDZY566C-Z | 220V, 5 (60) A, 2 级 | 0371190 5112899 | 河南许继仪表有限公司 | 合格 6# |
| 单相费控智能电能表 | DDZY566C-Z | 220V, 5 (60) A, 2 级 | 0371190 511295 | 河南许继仪表有限公司 | 合格 7# |

3.4 试验条件

环境温度: (21.0~25.0) °C

相对湿度: 45%~75%

3.5 试验结果

| 试验项目 | | 1# | 2# | 3# | 4# | 5# | 6# | 7# | |
|----------|------|---------------|-----|-----|-----|-----|-----|-----|-----|
| 基本 误差 | 1 | I_{\max} | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| | | $0.5I_{\max}$ | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| | | I_b | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| | | $0.1I_b$ | 0.0 | 2.2 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| | | $0.05I_b$ | 0.0 | 4.4 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| | 0.5L | I_{\max} | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| | | $0.5I_{\max}$ | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| | | I_b | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| | | $0.2I_b$ | 0.0 | 2.2 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| | | $0.1I_b$ | 0.0 | 4.4 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| 起动试验 | | 不合格 | 合格 | 合格 | 合格 | 合格 | 合格 | 合格 | |
| 潜动试验 | | 合格 | 不合格 | 合格 | 合格 | 合格 | 合格 | 合格 | |
| 仪表常数试验 | | 合格 | 合格 | 不合格 | 合格 | 合格 | 合格 | 合格 | |
| 日计时试验 | | 合格 | 合格 | 合格 | 合格 | 不合格 | 合格 | 合格 | |

按照试验方法进行检定，7只单相费控智能电能表检定完毕后，单相电能表检定系统能将不合格表 03711905112869、03711905112887、03711905112883、03711905112868 和 03711905112877 存储于不合格表缓存区，将 03711905112899、03711905112895 存储于合格表缓存区。

3.6 结论

试验结果表明规程检定项目和技术要求合理、检定方法正确，可操作性较强。

4 确定监视示值误差与显示

4.1 试验方法

试验采用 JJG597-202X 中 7.3.6 对被检装置进行检定。

4.2 所用计量标准

| 名称 | 测量范围 | 准确度 | 编号 |
|-----------|---|--------|--------|
| 三相标准功率电能表 | $3 \times (30 \sim 480) \text{ V}$, $3 \times (0.1 \sim 200) \text{ A}$ | 0.01 级 | 300394 |

4.3 被检交流电能表检定单元

| 设备名称 | 型号 | 技术指标 | 设备编号 | 生产厂家 |
|-----------|------------|--|---------|--------------|
| 三相电能表检定装置 | DZ603-24ZN | $3 \times (57.7 \sim 380) \text{ V}$, $3 \times (0.0003 \sim 100) \text{ A}$, 0.05 级 | X3K004K | 郑州三晖电气股份有限公司 |
| 单相电能表检定装置 | MTE1801 | 220V, (0.1~100) A, 0.1 级 | 2003102 | 河南锋恩电气有限公司 |

4.4 试验条件

环境温度: (21.0~25.0) °C

相对湿度: 45%~75%

4.5 试验结果

4.5.1 电压监视示值 ($U_c=220\text{V}$)

No. X3K004K

| 类别 | 负载 | 80% U_c (V) | | | 100% U_c (V) | | | 120% U_c (V) | | |
|-----|----|---------------|---------|---------|----------------|---------|---------|----------------|---------|---------|
| | | A 相 | B 相 | C 相 | A 相 | B 相 | C 相 | A 相 | B 相 | C 相 |
| 显示值 | 最小 | 176.065 | 176.038 | 175.998 | 220.013 | 219.985 | 219.983 | 263.971 | 264.016 | 263.965 |
| | 最大 | 176.052 | 176.030 | 175.995 | 220.007 | 219.980 | 219.979 | 263.958 | 264.010 | 263.951 |
| 测得值 | 最小 | 176.054 | 176.008 | 175.955 | 220.021 | 219.981 | 219.981 | 263.986 | 264.018 | 263.964 |
| | 最大 | 176.046 | 176.005 | 175.945 | 220.015 | 219.980 | 219.975 | 263.968 | 264.013 | 261.954 |

No.02177606

| 类别 | 负载 | 实测值 | | |
|-----|----|---------------|----------------|----------------|
| | | 80% U_c (V) | 100% U_c (V) | 110% U_c (V) |
| 显示值 | 最小 | 175.7206 | 219.8963 | 242.0414 |
| | 最大 | 175.8162 | 219.8722 | 242.0265 |
| 测得值 | 最小 | 175.68052 | 219.81352 | 242.03662 |
| | 最大 | 175.77523 | 219.83541 | 242.02457 |

4.5.2 电流监视示值 ($I_c=5\text{A}$)

No. X3K004K

| 类别 | 负载 | 50% I_c (A) | | | 80% I_c (A) | | | 100% I_c (A) | | |
|-----|----|---------------|---------|---------|---------------|---------|---------|----------------|---------|---------|
| | | A相 | B相 | C相 | A相 | B相 | C相 | A相 | B相 | C相 |
| 显示值 | 最小 | 2.5006 | 2.5002 | 2.5008 | 4.0016 | 4.0014 | 4.0008 | 5.0013 | 5.0020 | 5.0017 |
| | 最大 | 2.5006 | 2.5001 | 2.5009 | 4.0015 | 4.0015 | 4.0008 | 5.0013 | 5.0000 | 5.0017 |
| 测得值 | 最小 | 2.50043 | 2.50011 | 2.50066 | 4.00136 | 4.00122 | 4.00065 | 5.00092 | 5.00163 | 5.00132 |
| | 最大 | 2.50036 | 2.50008 | 2.50076 | 4.00144 | 4.00114 | 4.00054 | 5.00086 | 4.99981 | 5.00145 |

No.02177606

| 类别 | 负载 | 实测值 | | |
|-----|----|---------------|---------------|----------------|
| | | 50% I_c (A) | 80% I_c (A) | 100% I_c (A) |
| 显示值 | 最小 | 2.500867 | 3.996875 | 4.998258 |
| | 最大 | 2.498634 | 3.994672 | 4.995694 |
| 测得值 | 最小 | 2.500565 | 3.996452 | 4.998036 |
| | 最大 | 2.498325 | 3.994235 | 4.995423 |

4.5.3 相位监视示值

No. X3K004K

| 类别 | 相别 | 设定 0° | 设定 30° | 设定 60° | 设定 90° | 设定 300° | 设定 330° |
|-----|----|----------|---------|---------|---------|----------|---------|
| 显示值 | A | 359.999° | 30.001° | 60.000° | 90.002° | 300.000° | 329.999 |
| | B | 0.006° | 30.000° | 59.995° | 90.000° | 300.001° | 330.001 |
| | C | 0.006° | 30.002° | 59.998° | 90.001° | 300.000° | 329.999 |
| 测得值 | A | 0.003° | 29.998° | 60.003° | 89.999° | 329.998° | 329.996 |
| | B | 0.009° | 29.997° | 59.999° | 89.996° | 329.999° | 329.998 |
| | C | 0.008° | 29.999° | 59.996° | 89.999° | 329.998° | 329.996 |

No.02177606

| 类别 | 设定 0° | 设定 30° | 设定 60° | 设定 90° | 设定 300° | 设定 330° |
|-----|----------|---------|---------|---------|----------|----------|
| 显示值 | 359.998° | 29.999° | 59.999° | 89.998° | 299.997° | 329.998° |
| 测得值 | 359.978° | 29.978° | 59.977° | 89.978° | 299.977° | 329.978° |

4.5.4 频率监视示值

No. X3K004K

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| 显示值 (Hz) | 45 | 47.5 | 49 | 50 | 51 | 52.5 | 55 |
| 实测值 (Hz) | 44.99811 | 47.49823 | 48.99873 | 49.99702 | 50.99768 | 52.49756 | 54.99863 |

No.02177606

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| 显示值 (Hz) | 45 | 47.5 | 49 | 50 | 51 | 52.5 | 55 |
| 测得值 (Hz) | 45.00234 | 47.50134 | 49.00094 | 50.00089 | 51.00231 | 52.50127 | 55.00164 |

4.6 结论

试验结果表明规程检定项目和技术要求合理、检定方法正确，可操作性较强。

5 确定相序

5.1 试验方法

试验采用 JJG597-202X 中 7.3.7 对被检装置进行检定。

5.2 所用计量标准

| 名称 | 测量范围 | 准确度 | 编号 |
|-----|-------------------------|-----|-------|
| 相序表 | (70~1000) V, (45~66) Hz | / | D1580 |

5.3 被检交流电能表检定单元

| 设备名称 | 型号 | 技术指标 | 设备编号 | 生产厂家 |
|---------------|------------|--|----------|------------------|
| 三相电能表 检定装置 | DZ603-24ZN | 3×(57.7~380) V, 3×(0.0003~100) A, 0.05 级 | X3K004K | 郑州三晖电气股 份有限公司 |
| 三相电能表 检定装置 | TD3600 | 3×(57.7~380) V, 3×(0.1~100) A, 0.02 级 | 02177606 | 长沙天恒测控技 术有限公司 |

5.4 试验条件

环境温度：(21.0~25.0) °C

相对湿度：45%~75%

5.5 试验结果

正相序。

5.6 结论

试验结果表明规程检定项目和技术要求合理、检定方法正确，可操作性较强。

6 确定对称度

6.1 试验方法

试验采用 JJG597-202X 中 7.3.8 对被检装置进行检定。

6.2 所用计量标准

| 名称 | 测量范围 | 准确度 | 编号 |
|---------------|-------------------------------|--------|--------|
| 三相标准功率电 能表 | 3×(30~480) V, 3×(0.1~200)A | 0.01 级 | 300394 |

6.3 被检交流电能表检定单元

| 设备名称 | 型号 | 技术指标 | 设备编号 | 生产厂家 |
|---------------|------------|--|----------|------------------|
| 三相电能表 检定装置 | DZ603-24ZN | 3×(57.7~380) V, 3×(0.0003~100) A, 0.05 级 | X3K004K | 郑州三晖电气股 份有限公司 |
| 三相电能表 检定装置 | TD3600 | 3×(57.7~380) V, 3×(0.1~100) A, 0.02 级 | 02177606 | 长沙天恒测控技 术有限公司 |

6.4 试验条件

环境温度：(21.0~25.0) °C

相对湿度：45%~75%

6.5 试验结果

6.5.1 电压对称度

No. X3K004K

| 相别 | U_L (V) | $\overline{U_L}$ (V) | $\frac{\Delta U_L(\%)}{U_L}$ | U_P (V) | $\overline{U_P}$ (V) | $\frac{\Delta U_P(\%)}{U_P}$ |
|----|-----------|----------------------|------------------------------|-----------|----------------------|------------------------------|
| A | 381.0590 | 381.0606 | -0.0004 | 219.9992 | 220.0002 | -0.0004 |
| B | 381.0653 | | 0.0012 | 220.0044 | | 0.0019 |
| C | 381.0575 | | -0.0008 | 219.9969 | | -0.0015 |

No.02177606

| 相别 | U_L (V) | $\overline{U_L}$ (V) | $\frac{\Delta U_L(\%)}{U_L}$ | U_P (V) | $\overline{U_P}$ (V) | $\frac{\Delta U_P(\%)}{U_P}$ |
|----|-----------|----------------------|------------------------------|-----------|----------------------|------------------------------|
| A | 381.0682 | 381.0646 | 0.0009 | 219.9963 | 219.9989 | -0.0012 |
| B | 381.0642 | | -0.0001 | 220.0010 | | 0.0010 |
| C | 381.0615 | | -0.0008 | 219.9994 | | 0.0002 |

6.5.2 电流对称度

No. X3K004K

| 相别 | I (A) | \bar{I} (V) | $\frac{\Delta I}{I}$ (%) |
|----|---------|---------------|--------------------------|
| A | 4.9996 | 4.9999 | -0.006 |
| B | 4.9999 | | 0.000 |
| C | 5.0002 | | 0.006 |

No.02177606

| 相别 | I (A) | \bar{I} (V) | $\frac{\Delta I}{I}$ (%) |
|----|---------|---------------|--------------------------|
| A | 4.9998 | 5.0001 | -0.006 |
| B | 5.0002 | | 0.002 |
| C | 5.0003 | | 0.004 |

6.5.3 相位对称度

No. X3K004K

| 功率因数角 | 相别 | 电压角度 | 电流角度 | 对应电压与电流之间相位角 | 相间相位对称度 | 线间相位对称度 |
|-------------|----|----------|----------|--------------|---------|---------|
| 0° | A | 0.000° | 0.009° | 0.009° | 0.006° | 0.008° |
| | B | 120.004° | 120.001° | 0.005° | | |
| | C | 240.001° | 240.002° | 0.003° | | |
| 60° (感性) | A | 0.000° | 60.001° | 60.001° | 0.006° | 0.014° |
| | B | 120.007° | 179.987° | 59.995° | | |
| | C | 240.003° | 299.995° | 59.998° | | |
| 60° (容性) | A | 0.000° | 300.024° | 300.024° | 0.007° | 0.012° |
| | B | 120.007° | 60.013° | 300.020° | | |
| | C | 240.005° | 180.012° | 300.017° | | |
| 90° (感性) | A | 0.000° | 90.001° | 90.001 | 0.005° | 0.009° |
| | B | 120.000° | 209.996° | 89.996 | | |
| | C | 239.991° | 330.005° | 89.996 | | |
| 90° (容性) | A | 0.000° | 270.000° | 270.000° | 0.003° | 0.020° |
| | B | 119.992° | 30.007° | 269.999° | | |
| | C | 239.997° | 150.020° | 269.997° | | |

No.02177606

| 功率因数角 | 相别 | 电压角度 | 电流角度 | 对应电压与电流之间相位角 | 相间相位对称度 | 线间相位对称度 |
|-------------|----|----------|----------|--------------|---------|---------|
| 0° | A | 0.000° | 0.009° | 0.009° | 0.007° | 0.015° |
| | B | 120.008° | 119.994° | 0.002° | | |
| | C | 240.009° | 239.995° | 0.003° | | |
| 60° (感性) | A | 0.000° | 60.015° | 60.015° | 0.005° | 0.020° |
| | B | 120.015° | 179.999° | 60.014° | | |
| | C | 240.015° | 299.995° | 60.010° | | |
| 60° (容性) | A | 0.000° | 300.013° | 300.013° | 0.006° | 0.011° |
| | B | 120.007° | 60.002° | 300.009° | | |
| | C | 240.005° | 180.002° | 300.007° | | |
| 90° (感性) | A | 0.000° | 90.010° | 90.010° | 0.012° | 0.025° |
| | B | 120.010° | 210.000° | 90.010° | | |
| | C | 240.013° | 329.985° | 89.998° | | |
| 90° (容性) | A | 0.000° | 270.008° | 270.008° | 0.010° | 0.009° |
| | B | 120.004° | 30.004° | 270.008° | | |
| | C | 239.999° | 149.999° | 269.998° | | |

6.6 结论

试验结果表明规程检定项目和技术要求合理、检定方法正确，可操作性较强。

7 确定波形失真度

7.1 试验方法

试验采用 JJG597-202X 中 7.3.9 对被检装置进行检定。

7.2 所用计量标准

| 名称 | 测量范围 | 最大允许误差 | 编号 |
|--------------|------------------------------------|-------------------------|--------|
| 自动失真度 测量仪 | 输入电压：300mV~300V 失真度测量：30%~0.03% | MPE: $\pm 0.5\text{dB}$ | KH4117 |

7.3 被检交流电能表检定单元

| 设备名称 | 型号 | 技术指标 | 设备编号 | 生产厂家 |
|---------------|------------|--|----------|------------------|
| 三相电能表 检定装置 | DZ603-24ZN | $3\times(57.7\sim 380)\text{V}$, $3\times(0.0003\sim 100)\text{A}$, 0.05 级 | X3K004K | 郑州三晖电气股 份有限公司 |
| 三相电能表 检定装置 | TD3600 | $3\times(57.7\sim 380)\text{V}$, $3\times(0.1\sim 100)\text{A}$, 0.02 级 | 02177606 | 长沙天恒测控技 术有限公司 |

7.4 试验条件

环境温度：(21.0~25.0) °C

相对湿度：45%~75%

7.5 试验结果

7.5.1 电压波形失真度

No. X3K004K

| 输出 | 负载 | A 相 | B 相 | C 相 |
|--|----|-------|-------|-------|
| $3\times 220\text{V}$ $3\times 5\text{A}$ | 最大 | 0.09% | 0.08% | 0.09% |
| | 最小 | 0.03% | 0.02% | 0.04% |

No.02177606

| 输出 | 负载 | A 相 | B 相 | C 相 |
|--|----|-------|-------|-------|
| $3\times 220\text{V}$ $3\times 5\text{A}$ | 最大 | 0.15% | 0.14% | 0.14% |
| | 最小 | 0.06% | 0.06% | 0.07% |

7.5.2 电流波形失真度

No. X3K004K

| 输出 | 负载 | A 相 | B 相 | C 相 |
|--|----|-------|-------|-------|
| $3\times 220\text{V}$ $3\times 5\text{A}$ | 最大 | 0.28% | 0.17% | 0.16% |
| | 最小 | 0.30% | 0.36% | 0.27% |

No.02177606

| 输出 | 负载 | A 相 | B 相 | C 相 |
|----------------|----|-------|-------|-------|
| 3×220V 3×5A | 最大 | 0.19% | 0.16% | 0.15% |
| | 最小 | 0.12% | 0.10% | 0.11% |

7.6 结论

试验结果表明规程检定项目和技术要求合理、检定方法正确，可操作性较强。

8 确定功率稳定度

8.1 试验方法

试验采用 JJG597-202X 中 7.3.10 对被检装置进行检定。

8.2 所用计量标准

| 名称 | 测量范围 | 准确度 | 编号 |
|-----------|------------------------------|--------|--------|
| 三相标准功率电能表 | 3×(30~480)V, 3×(0.1~200)A | 0.01 级 | 300394 |

8.3 被检交流电能表检定单元

| 设备名称 | 型号 | 技术指标 | 设备编号 | 生产厂家 |
|---------------|------------|--|----------|--------------|
| 三相电能表 检定装置 | DZ603-24ZN | 3×(57.7~380)V, 3×(0.0003~100)A, 0.05 级 | X3K004K | 郑州三晖电气股份有限公司 |
| 三相电能表 检定装置 | TD3600 | 3×(57.7~380)V, 3×(0.1~100)A, 0.02 级 | 02177606 | 长沙天恒测控技术有限公司 |

8.4 试验条件

环境温度：(21.0~25.0)℃

相对湿度：45%~75%

8.5 试验结果

No. X3K004K

| 输出 | 负载 | 相别 | 功率因数 | $\gamma\rho$ (%) |
|----------------|----|-----|------|------------------|
| 3×220V 3×5A | 最大 | A | 1.0 | 0.026 |
| | | | 0.5L | 0.014 |
| | 最小 | | 1.0 | 0.028 |
| | | | 0.5L | 0.016 |
| | 最大 | B | 1.0 | 0.029 |
| | | | 0.5L | 0.020 |
| | 最小 | | 1.0 | 0.030 |
| | | | 0.5L | 0.018 |
| | 最大 | C | 1.0 | 0.029 |
| | | | 0.5L | 0.021 |
| | 最小 | | 1.0 | 0.023 |
| | | | 0.5L | 0.022 |
| | 最大 | ABC | 1.0 | 0.004 |
| | | | 0.5L | 0.007 |
| | 最小 | | 1.0 | 0.004 |
| | | | 0.5L | 0.005 |

No.02177606

| 输出 | 负载 | 相别 | 功率因数 | $\gamma\rho$ (%) |
|----------------|----|-----|------|------------------|
| 3×220V 3×5A | 最大 | A | 1.0 | 0.007 |
| | | | 0.5L | 0.002 |
| | 最小 | | 1.0 | 0.006 |
| | | | 0.5L | 0.002 |
| | 最大 | B | 1.0 | 0.005 |
| | | | 0.5L | 0.003 |
| | 最小 | | 1.0 | 0.006 |
| | | | 0.5L | 0.004 |
| | 最大 | C | 1.0 | 0.005 |
| | | | 0.5L | 0.005 |
| | 最小 | | 1.0 | 0.004 |
| | | | 0.5L | 0.004 |
| | 最大 | ABC | 1.0 | 0.004 |
| | | | 0.5L | 0.003 |
| | 最小 | | 1.0 | 0.004 |
| | | | 0.5L | 0.002 |

7.6 结论

试验结果表明规程检定项目和技术要求合理、检定方法正确，可操作性较强。

9 确定基本误差

9.1 试验方法

试验采用 JJG597-202X 中 7.3.11 对被检装置进行检定。

9.2 所用计量标准

| 名称 | 测量范围 | 准确度 | 编号 |
|------------|--------------------------------|--------|--------------|
| 三相标准功率电能表 | 3×(30~480)V, 3×(0.1~200)A | 0.01 级 | 300394 |
| 单相安装式标准电能表 | 220V, (0.1~100) A | 0.02 级 | 990105001031 |
| 三相安装式标准电能表 | 3×(57.7~380)V, 3×(0.1~100)A | 0.02 级 | 990302211103 |

9.3 被检交流电能表检定单元

| 设备名称 | 型号 | 技术指标 | 设备编号 | 生产厂家 |
|----------------------|------------|--|-----------|--------------|
| 三相电能表检定装置 | DZ603-24ZN | 3×(57.7~380)V, 3×(0.0003~100)A, 0.05 级 | X3K004K | 郑州三晖电气股份有限公司 |
| 单相电能表自动化试验系统电能计量检定单元 | HS-6103F | 220V, (0.1~100) A, 0.1 级 | SD1512019 | 海盐盛迪电子科技有限公司 |
| 三相电能表检定装置 | TD3600 | 3×(57.7~380)V, 3×(0.1~100)A, 0.02 级 | 02177606 | 长沙天恒测控技术有限公司 |

9.4 试验条件

环境温度：(21.0~25.0) °C

相对湿度：45%~75%

9.5 试验结果

No.X3K004K

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×100A 等级:0.05 级 | | | | | | | |
|--|----|--------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0132,-0.0132,-0.0132 | -0.01320 | -0.015 | / |
| 2 | Ib | 合相 | 0.5L | -0.0096,-0.0120,-0.0108 | -0.01080 | -0.010 | / |
| 3 | Ib | 合相 | 0.8C | -0.0144,-0.0144,-0.0144 | -0.01440 | -0.015 | / |
| 4 | Ib | A 相不平衡 | 1.0 | -0.0096,-0.0096,-0.0096 | -0.00960 | -0.010 | / |
| 5 | Ib | A 相不平衡 | 0.5L | -0.0024,+0.0000,-0.0036 | -0.00200 | -0.000 | / |
| 6 | Ib | A 相不平衡 | 0.8C | -0.0192,-0.0180,-0.0168 | -0.01800 | -0.020 | / |
| 7 | Ib | B 相不平衡 | 1.0 | -0.0168,-0.0120,-0.0120 | -0.01360 | -0.015 | / |
| 8 | Ib | B 相不平衡 | 0.5L | -0.0108,-0.0084,-0.0084 | -0.00920 | -0.010 | / |
| 9 | Ib | B 相不平衡 | 0.8C | -0.0132,-0.0216,-0.0192 | -0.01800 | -0.020 | / |
| 10 | Ib | C 相不平衡 | 1.0 | -0.0144,-0.0156,-0.0144 | -0.01480 | -0.015 | / |
| 11 | Ib | C 相不平衡 | 0.5L | +0.0072,+0.0048,+0.0012 | +0.00440 | +0.005 | / |

| 12 | Ib | C相不平衡 | 0.8C | -0.0156,-0.0192,-0.0192 | -0.01800 | -0.020 | / |
|---|----|-------|------|-------------------------|----------|--------|--------|
| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×40A 等级:0.05 级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0060,-0.0090,-0.0090 | -0.00800 | -0.010 | / |
| 2 | Ib | 合相 | 0.5L | -0.0060,-0.0060,-0.0090 | -0.00700 | -0.005 | / |
| 3 | Ib | 合相 | 0.8C | -0.0060,-0.0060,-0.0090 | -0.00700 | -0.005 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0060,-0.0090,-0.0060 | -0.00700 | -0.005 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0030,+0.0000,+0.0060 | +0.00100 | +0.000 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0180,-0.0150,-0.0150 | -0.01600 | -0.015 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0030,-0.0060,-0.0090 | -0.00600 | -0.005 | / |
| 8 | Ib | B相不平衡 | 0.5L | +0.0000,+0.0030,+0.0000 | +0.00100 | +0.000 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0030,-0.0030,-0.0030 | -0.00300 | -0.005 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0120,-0.0120,-0.0120 | -0.01200 | -0.010 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0030,+0.0000,-0.0030 | -0.00200 | -0.000 | / |
| 12 | Ib | C相不平衡 | 0.8C | -0.0150,-0.0150,-0.0150 | -0.01500 | -0.015 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×20A 等级:0.05 级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0084,-0.0072,-0.0084 | -0.00800 | -0.010 | / |
| 2 | Ib | 合相 | 0.5L | -0.0072,-0.0072,-0.0084 | -0.00760 | -0.010 | / |
| 3 | Ib | 合相 | 0.8C | -0.0072,-0.0084,-0.0072 | -0.00760 | -0.010 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0096,-0.0096,-0.0096 | -0.00960 | -0.010 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0072,-0.0072,-0.0060 | -0.00680 | -0.005 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0108,-0.0120,-0.0108 | -0.01120 | -0.010 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0060,-0.0048,-0.0060 | -0.00560 | -0.005 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0048,-0.0060,-0.0048 | -0.00520 | -0.005 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0060,-0.0060,-0.0048 | -0.00560 | -0.005 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0096,-0.0108,-0.0096 | -0.01000 | -0.010 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0072,-0.0072,-0.0072 | -0.00720 | -0.005 | / |
| 12 | Ib | C相不平衡 | 0.8C | -0.0108,-0.0108,-0.0096 | -0.01040 | -0.010 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×10A 等级:0.05 级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0120,-0.0096,-0.0096 | -0.01040 | -0.010 | / |
| 2 | Ib | 合相 | 0.5L | -0.0096,-0.0120,-0.0096 | -0.01040 | -0.010 | / |
| 3 | Ib | 合相 | 0.8C | -0.0120,-0.0096,-0.0120 | -0.01120 | -0.010 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0216,-0.0192,-0.0216 | -0.02080 | -0.020 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0096,-0.0144,-0.0168 | -0.01360 | -0.015 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0264,-0.0240,-0.0216 | -0.02400 | -0.025 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0048,-0.0048,-0.0048 | -0.00480 | -0.005 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0072,-0.0072,-0.0072 | -0.00720 | -0.005 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0048,-0.0048,+0.0000 | -0.00320 | -0.005 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0144,-0.0120,-0.0120 | -0.01280 | -0.015 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0096,-0.0048,-0.0072 | -0.00720 | -0.005 | / |

| 12 | Ib | C相不平衡 | 0.8C | -0.0096,-0.0144,-0.0144 | -0.01280 | -0.015 | / |
|--|----|-------|------|---|----------|--------|--------|
| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×5A 等级:0.05 级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0072,-0.0072,-0.0081,-0.0072,-0.0081 | -0.00756 | -0.010 | 0.0005 |
| 2 | Ib | 合相 | 0.5L | -0.0024,-0.0012,-0.0024,-0.0024,-0.0024 | -0.00216 | -0.000 | 0.0005 |
| 3 | Ib | 合相 | 0.8C | -0.0120,-0.0120,-0.0108,-0.0120,-0.0120 | -0.01176 | -0.010 | 0.0005 |
| 4 | Ib | A相不平衡 | 1.0 | -0.0084,-0.0096,-0.0084,-0.0084,-0.0096 | -0.00888 | -0.010 | 0.0005 |
| 5 | Ib | A相不平衡 | 0.5L | +0.0036,+0.0024,-0.0012,-0.0024,+0.0000 | +0.00048 | +0.000 | 0.0025 |
| 6 | Ib | A相不平衡 | 0.8C | -0.0132,-0.0156,-0.0180,-0.0168,-0.0144 | -0.01560 | -0.015 | 0.0020 |
| 7 | Ib | B相不平衡 | 1.0 | -0.0036,-0.0024,-0.0024,+0.0000,-0.0012 | -0.00192 | -0.000 | 0.0015 |
| 8 | Ib | B相不平衡 | 0.5L | +0.0048,+0.0060,+0.0048,+0.0036,+0.0024 | +0.00432 | +0.005 | 0.0015 |
| 9 | Ib | B相不平衡 | 0.8C | -0.0096,-0.0072,-0.0072,-0.0084,-0.0132 | -0.00912 | -0.010 | 0.0025 |
| 10 | Ib | C相不平衡 | 1.0 | -0.0108,-0.0108,-0.0108,-0.0120,-0.0120 | -0.01128 | -0.010 | 0.0005 |
| 11 | Ib | C相不平衡 | 0.5L | -0.0060,-0.0084,-0.0096,-0.0120,-0.0120 | -0.00960 | -0.010 | 0.0025 |
| 12 | Ib | C相不平衡 | 0.8C | -0.0132,-0.0132,-0.0120,-0.0084,-0.0072 | -0.01080 | -0.010 | 0.0030 |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×5A 等级:0.05 级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0072,-0.0096,-0.0072 | -0.00800 | -0.010 | / |
| 2 | Ib | 合相 | 0.5L | -0.0048,-0.0048,-0.0024 | -0.00400 | -0.005 | / |
| 3 | Ib | 合相 | 0.8C | -0.0120,-0.0120,-0.0096 | -0.01120 | -0.010 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0096,-0.0096,-0.0096 | -0.00960 | -0.010 | / |
| 5 | Ib | A相不平衡 | 0.5L | +0.0000,-0.0024,-0.0024 | -0.00160 | -0.000 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0072,-0.0096,-0.0120 | -0.00960 | -0.010 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0024,-0.0024,-0.0024 | -0.00240 | -0.000 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0048,-0.0024,-0.0024 | -0.00320 | -0.005 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0072,-0.0048,+0.0000 | -0.00400 | -0.005 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0096,-0.0096,-0.0096 | -0.00960 | -0.010 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0024,+0.0000,+0.0000 | -0.00080 | -0.000 | / |
| 12 | Ib | C相不平衡 | 0.8C | -0.0168,-0.0144,-0.0168 | -0.01600 | -0.015 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×1A 等级:0.05 级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0048,-0.0048,-0.0036 | -0.00440 | -0.005 | / |
| 2 | Ib | 合相 | 0.5L | -0.0036,-0.0024,-0.0024 | -0.00280 | -0.005 | / |
| 3 | Ib | 合相 | 0.8C | -0.0072,-0.0060,-0.0072 | -0.00680 | -0.005 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0048,-0.0048,-0.0036 | -0.00440 | -0.005 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0024,-0.0036,-0.0048 | -0.00360 | -0.005 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0096,-0.0084,-0.0072 | -0.00840 | -0.010 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0048,-0.0048,-0.0036 | -0.00440 | -0.005 | / |
| 8 | Ib | B相不平衡 | 0.5L | +0.0012,+0.0024,+0.0024 | +0.00200 | +0.000 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0060,-0.0048,-0.0060 | -0.00560 | -0.005 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0084,-0.0060,-0.0084 | -0.00760 | -0.010 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0048,-0.0096,-0.0084 | -0.00760 | -0.010 | / |

| 12 | Ib | C相不平衡 | 0.8C | -0.0048,-0.0048,-0.0048 | -0.00480 | -0.005 | / |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.5A 等级:0.05级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0168,-0.0144,-0.0168 | -0.01600 | -0.015 | / |
| 2 | Ib | 合相 | 0.5L | -0.0120,-0.0168,-0.0120 | -0.01360 | -0.015 | / |
| 3 | Ib | 合相 | 0.8C | -0.0168,-0.0192,-0.0168 | -0.01760 | -0.020 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0168,-0.0144,-0.0168 | -0.01600 | -0.015 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0168,-0.0120,-0.0168 | -0.01520 | -0.015 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0216,-0.0192,-0.0168 | -0.01920 | -0.020 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0072,-0.0096,-0.0072 | -0.00800 | -0.010 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0072,-0.0096,-0.0096 | -0.00880 | -0.010 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0120,-0.0120,-0.0120 | -0.01200 | -0.010 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0168,-0.0168,-0.0168 | -0.01680 | -0.015 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0168,-0.0168,-0.0192 | -0.01760 | -0.020 | / |
| 12 | Ib | C相不平衡 | 0.8C | -0.0216,-0.0240,-0.0192 | -0.02160 | -0.020 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.25A 等级:0.05级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0077,-0.0048,-0.0067 | -0.00640 | -0.005 | / |
| 2 | Ib | 合相 | 0.5L | -0.0096,-0.0096,-0.0048 | -0.00800 | -0.010 | / |
| 3 | Ib | 合相 | 0.8C | -0.0096,-0.0048,-0.0096 | -0.00800 | -0.010 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0144,-0.0096,-0.0144 | -0.01280 | -0.015 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0096,-0.0144,-0.0096 | -0.01120 | -0.010 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0096,-0.0144,-0.0144 | -0.01280 | -0.015 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0048,-0.0048,-0.0048 | -0.00480 | -0.005 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0211,-0.0211,-0.0221 | -0.02143 | -0.020 | / |
| 9 | Ib | B相不平衡 | 0.8C | +0.0010,+0.0019,+0.0029 | +0.00193 | +0.000 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0038,-0.0038,-0.0058 | -0.00447 | -0.005 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0058,-0.0067,-0.0086 | -0.00703 | -0.005 | / |
| 12 | Ib | C相不平衡 | 0.8C | -0.0019,-0.0029,-0.0029 | -0.00257 | -0.005 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.1A 等级:0.05级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0096,-0.0120,-0.0096 | -0.01040 | -0.010 | / |
| 2 | Ib | 合相 | 0.5L | -0.0360,-0.0360,-0.0384 | -0.03680 | -0.035 | / |
| 3 | Ib | 合相 | 0.8C | -0.0048,+0.0048,+0.0000 | 0.00000 | 0.000 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0096,-0.0144,-0.0090 | -0.01100 | -0.010 | / |
| 5 | Ib | A相不平衡 | 0.5L | +0.0000,-0.0072,-0.0072 | -0.00480 | -0.005 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0192,-0.0096,-0.0144 | -0.01440 | -0.015 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0192,-0.0192,-0.0192 | -0.01920 | -0.020 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0372,-0.0348,-0.0372 | -0.06640 | -0.035 | / |
| 9 | Ib | B相不平衡 | 0.8C | +0.0072,-0.0024,+0.0000 | +0.00160 | +0.000 | / |
| 10 | Ib | C相不平衡 | 1.0 | +0.0024,+0.0000,+0.0000 | +0.00080 | +0.000 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0336,-0.0360,-0.0360 | -0.03520 | -0.035 | / |

| 12 | Ib | C相不平衡 | 0.8C | +0.0168,+0.0168,+0.0168 | +0.01680 | +0.015 | / |
|--|----|-------|------|-------------------------|----------|--------|-------|
| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.05A 等级:0.05级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0000,+0.0000,+0.0000 | +0.00000 | +0.000 | / |
| 2 | Ib | 合相 | 0.5L | -0.0096,-0.0048,+0.0000 | -0.00480 | -0.005 | / |
| 3 | Ib | 合相 | 0.8C | +0.0048,+0.0000,-0.0048 | 0.00000 | 0.000 | / |
| 4 | Ib | A相不平衡 | 1.0 | +0.0096,+0.0192,+0.0048 | +0.01120 | +0.010 | / |
| 5 | Ib | A相不平衡 | 0.5L | +0.0096,+0.0096,+0.0144 | +0.01120 | +0.010 | / |
| 6 | Ib | A相不平衡 | 0.8C | +0.0048,+0.0144,+0.0096 | +0.00960 | +0.010 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0048,-0.0048,-0.0048 | -0.00480 | -0.005 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0192,-0.0192,-0.0144 | -0.01760 | -0.020 | / |
| 9 | Ib | B相不平衡 | 0.8C | +0.0000,+0.0040,+0.0048 | +0.00293 | +0.005 | / |
| 10 | Ib | C相不平衡 | 1.0 | +0.0000,-0.0048,-0.0048 | -0.00320 | -0.005 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0048,-0.0048,-0.0048 | -0.00480 | -0.005 | / |
| 12 | Ib | C相不平衡 | 0.8C | +0.0000,+0.0000,+0.0000 | +0.00000 | +0.000 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.025A 等级:0.05级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0000,-0.0036,+0.0000 | -0.00120 | -0.000 | / |
| 2 | Ib | 合相 | 0.5L | +0.0060,+0.0120,+0.0096 | +0.00920 | +0.010 | / |
| 3 | Ib | 合相 | 0.8C | -0.0024,-0.0036,-0.0024 | -0.00280 | -0.005 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0024,+0.0012,-0.0036 | -0.00160 | -0.000 | / |
| 5 | Ib | A相不平衡 | 0.5L | +0.0096,+0.0108,+0.0060 | +0.00880 | +0.010 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0108,-0.0012,-0.0084 | -0.00680 | -0.005 | / |
| 7 | Ib | B相不平衡 | 1.0 | +0.0120,+0.0084,+0.0024 | +0.00760 | +0.010 | / |
| 8 | Ib | B相不平衡 | 0.5L | +0.0108,+0.0096,+0.0036 | +0.00800 | +0.010 | / |
| 9 | Ib | B相不平衡 | 0.8C | +0.0072,+0.0132,+0.0036 | +0.00800 | +0.010 | / |
| 10 | Ib | C相不平衡 | 1.0 | +0.0108,+0.0096,+0.0084 | +0.00960 | +0.010 | / |
| 11 | Ib | C相不平衡 | 0.5L | +0.0120,+0.0072,+0.0084 | +0.00920 | +0.010 | / |
| 12 | Ib | C相不平衡 | 0.8C | -0.0024,+0.0024,+0.0012 | +0.00040 | +0.000 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.01A 等级:0.05级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0150,+0.0090,+0.0090 | +0.01100 | +0.010 | / |
| 2 | Ib | 合相 | 0.5L | +0.0090,+0.0270,+0.0330 | +0.02300 | +0.025 | / |
| 3 | Ib | 合相 | 0.8C | +0.0150,+0.0180,+0.0180 | +0.01700 | +0.015 | / |
| 4 | Ib | A相不平衡 | 1.0 | +0.0470,+0.0500,+0.0440 | +0.04700 | +0.045 | / |
| 5 | Ib | A相不平衡 | 0.5L | +0.0659,+0.0659,+0.0599 | +0.06390 | +0.065 | / |
| 6 | Ib | A相不平衡 | 0.8C | +0.0630,+0.0480,+0.0570 | +0.05600 | +0.055 | / |
| 7 | Ib | B相不平衡 | 1.0 | +0.0060,+0.0030,+0.0090 | +0.00600 | +0.005 | / |
| 8 | Ib | B相不平衡 | 0.5L | +0.0270,+0.0360,+0.0330 | +0.03200 | +0.030 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0030,-0.0090,+0.0090 | -0.00100 | -0.000 | / |
| 10 | Ib | C相不平衡 | 1.0 | +0.0240,+0.0270,+0.0300 | +0.02700 | +0.025 | / |
| 11 | Ib | C相不平衡 | 0.5L | +0.0540,+0.0600,+0.0360 | +0.05000 | +0.050 | / |

| 12 | Ib | C相不平衡 | 0.8C | +0.0270,+0.0060,+0.0120 | +0.01500 | +0.015 | / |
|--|----|-------|------|-------------------------|----------|--------|--------|
| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.005A 等级:0.05 级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0120,+0.0120,+0.0060 | +0.01000 | +0.010 | / |
| 2 | Ib | 合相 | 0.5L | -0.0480,-0.0480,-0.0480 | -0.04800 | -0.050 | / |
| 3 | Ib | 合相 | 0.8C | +0.0240,+0.0240,+0.0300 | +0.02600 | +0.025 | / |
| 4 | Ib | A相不平衡 | 1.0 | +0.0480,+0.0540,+0.0480 | +0.05000 | +0.050 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0420,-0.0300,+0.0060 | -0.02200 | -0.020 | / |
| 6 | Ib | A相不平衡 | 0.8C | +0.0420,+0.0360,+0.0360 | +0.03800 | +0.040 | / |
| 7 | Ib | B相不平衡 | 1.0 | +0.0120,+0.0060,+0.0060 | +0.00800 | +0.010 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0240,-0.0180,-0.0180 | -0.02000 | -0.020 | / |
| 9 | Ib | B相不平衡 | 0.8C | +0.0240,+0.0290,+0.0420 | +0.03167 | +0.030 | / |
| 10 | Ib | C相不平衡 | 1.0 | +0.0420,+0.0420,+0.0480 | +0.04400 | +0.045 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0480,-0.0360,+0.0120 | -0.02400 | -0.025 | / |
| 12 | Ib | C相不平衡 | 0.8C | +0.0839,+0.0660,+0.0360 | +0.06197 | +0.060 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.003A 等级:0.05 级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0200,+0.0200,+0.0100 | +0.01667 | +0.015 | / |
| 2 | Ib | 合相 | 0.5L | -0.1201,-0.1201,-0.1302 | -0.12347 | -0.125 | / |
| 3 | Ib | 合相 | 0.8C | +0.0700,+0.0700,+0.0700 | +0.07000 | +0.070 | / |
| 4 | Ib | A相不平衡 | 1.0 | +0.0600,+0.0400,+0.0200 | +0.04000 | +0.040 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.1201,-0.1201,-0.0701 | -0.10343 | -0.105 | / |
| 6 | Ib | A相不平衡 | 0.8C | +0.0999,+0.1298,+0.1597 | +0.12980 | +0.130 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0300,-0.0300,-0.0300 | -0.03000 | -0.030 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.1402,-0.0701,-0.0500 | -0.08677 | -0.085 | / |
| 9 | Ib | B相不平衡 | 0.8C | +0.1198,+0.1198,+0.1198 | +0.11980 | +0.120 | / |
| 10 | Ib | C相不平衡 | 1.0 | +0.0100,+0.0000,+0.0100 | +0.00667 | +0.005 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0300,+0.0200,-0.0400 | -0.01667 | -0.015 | / |
| 12 | Ib | C相不平衡 | 0.8C | +0.1298,+0.0999,+0.0799 | +0.10320 | +0.105 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.001A 等级:0.05 级 | | | | | | | |
|--|----|----|-----|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0000,+0.0000,+0.0000 | +0.00000 | +0.000 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.0003A 等级:0.05 级 | | | | | | | |
|---|----|----|-----|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | +0.2394,+0.0600,+0.0500 | +0.11647 | +0.115 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×57.7/100V 电流 3×5A 等级:0.05 级 | | | | | | | |
|---|----|--------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0110,-0.0120,-0.0110 | -0.01133 | -0.010 | / |
| 2 | Ib | 合相 | 0.5L | -0.0110,-0.0120,-0.0110 | -0.01133 | -0.010 | / |
| 3 | Ib | 合相 | 0.8C | -0.0110,-0.0120,-0.0120 | -0.01167 | -0.010 | / |
| 4 | Ib | A 相不平衡 | 1.0 | -0.0100,-0.0090,-0.0100 | -0.00967 | -0.010 | / |
| 5 | Ib | A 相不平衡 | 0.5L | -0.0130,-0.0130,-0.0130 | -0.01300 | -0.015 | / |
| 6 | Ib | A 相不平衡 | 0.8C | -0.0090,-0.0100,-0.0090 | -0.00933 | -0.010 | / |
| 7 | Ib | B 相不平衡 | 1.0 | -0.0120,-0.0120,-0.0120 | -0.01200 | -0.010 | / |
| 8 | Ib | B 相不平衡 | 0.5L | -0.0110,-0.0110,-0.0120 | -0.01133 | -0.010 | / |
| 9 | Ib | B 相不平衡 | 0.8C | -0.0130,-0.0120,-0.0120 | -0.01233 | -0.010 | / |
| 10 | Ib | C 相不平衡 | 1.0 | -0.0130,-0.0130,-0.0130 | -0.01300 | -0.015 | / |
| 11 | Ib | C 相不平衡 | 0.5L | -0.0090,-0.0090,-0.0100 | -0.00933 | -0.010 | / |
| 12 | Ib | C 相不平衡 | 0.8C | -0.0140,-0.0140,-0.0150 | -0.01433 | -0.015 | / |

| 基本误差 接线方式:三相三线有功 负载:最小 电压:3×100V 电流 3×5A 等级:0.05 级 | | | | | | | |
|--|----|--------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0084,-0.0084,-0.0096 | -0.00880 | -0.010 | / |
| 2 | Ib | 合相 | 0.5L | -0.0060,-0.0072,-0.0072 | -0.00680 | -0.005 | / |
| 3 | Ib | 合相 | 0.8C | -0.0096,-0.0096,-0.0096 | -0.00960 | -0.010 | / |
| 4 | Ib | A 相不平衡 | 1.0 | -0.0072,-0.0084,-0.0072 | -0.00760 | -0.010 | / |
| 5 | Ib | A 相不平衡 | 0.5L | -0.0024,-0.0012,-0.0024 | -0.00200 | -0.000 | / |
| 6 | Ib | A 相不平衡 | 0.8C | -0.0108,-0.0108,-0.0108 | -0.01080 | -0.010 | / |
| 7 | Ib | C 相不平衡 | 1.0 | -0.0096,-0.0108,-0.0120 | -0.01080 | -0.010 | / |
| 8 | Ib | C 相不平衡 | 0.5L | -0.0120,-0.0108,-0.0108 | -0.01120 | -0.010 | / |
| 9 | Ib | C 相不平衡 | 0.8C | -0.0108,-0.0096,-0.0108 | -0.01040 | -0.010 | / |

| 基本误差 接线方式:三相三线有功 负载:最小 电压:3×380V 电流 3×5A 等级:0.05 级 | | | | | | | |
|--|----|--------|------|---|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0096,-0.0108,-0.0108,-0.0096,-0.0108 | -0.01032 | -0.010 | 0.0005 |
| 2 | Ib | 合相 | 0.5L | -0.0084,-0.0096,-0.0096,-0.0096,-0.0084 | -0.00912 | -0.010 | 0.0005 |
| 3 | Ib | 合相 | 0.8C | -0.0108,-0.0096,-0.0096,-0.0108,-0.0096 | -0.01008 | -0.010 | 0.0005 |
| 4 | Ib | A 相不平衡 | 1.0 | -0.0132,-0.0132,-0.0132,-0.0144,-0.0132 | -0.01344 | -0.015 | 0.0005 |
| 5 | Ib | A 相不平衡 | 0.5L | -0.0096,-0.0096,-0.0096,-0.0096,-0.0096 | -0.00960 | -0.010 | 0.0000 |
| 6 | Ib | A 相不平衡 | 0.8C | -0.0144,-0.0156,-0.0156,-0.0156,-0.0144 | -0.01512 | -0.015 | 0.0005 |
| 7 | Ib | C 相不平衡 | 1.0 | -0.0144,-0.0144,-0.0144,-0.0132,-0.0144 | -0.01416 | -0.015 | 0.0005 |
| 8 | Ib | C 相不平衡 | 0.5L | -0.0120,-0.0120,-0.0120,-0.0132,-0.0120 | -0.01224 | -0.010 | 0.0005 |
| 9 | Ib | C 相不平衡 | 0.8C | -0.0156,-0.0144,-0.0144,-0.0144,-0.0144 | -0.01464 | -0.015 | 0.0005 |

| 基本误差 接线方式:三相四线真无功 负载:最小 电压:3×220/380V 电流 3×100A 等级:0.1 级 | | | | | | | |
|--|----|--------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0228,-0.0216,-0.0252 | -0.02320 | -0.02 | / |
| 2 | Ib | 合相 | 0.5L | -0.0276,-0.0264,-0.0264 | -0.02680 | -0.03 | / |
| 3 | Ib | 合相 | 0.5C | -0.0192,-0.0216,-0.0180 | -0.01960 | -0.02 | / |
| 4 | Ib | A 相不平衡 | 1.0 | -0.0252,-0.0260,-0.0264 | -0.02587 | -0.03 | / |
| 5 | Ib | A 相不平衡 | 0.5L | -0.0552,-0.0552,-0.0552 | -0.05520 | -0.06 | / |
| 6 | Ib | A 相不平衡 | 0.5C | +0.0276,+0.0276,+0.0264 | +0.02720 | +0.03 | / |
| 7 | Ib | B 相不平衡 | 1.0 | -0.0228,-0.0240,-0.0228 | -0.02320 | -0.02 | / |
| 8 | Ib | B 相不平衡 | 0.5L | -0.0384,-0.0372,-0.0372 | -0.03760 | -0.04 | / |
| 9 | Ib | B 相不平衡 | 0.5C | -0.0048,-0.0048,-0.0048 | -0.00480 | -0.00 | / |
| 10 | Ib | C 相不平衡 | 1.0 | -0.0240,-0.0240,-0.0252 | -0.02440 | -0.02 | / |
| 11 | Ib | C 相不平衡 | 0.5L | -0.0348,-0.0336,-0.0312 | -0.03320 | -0.03 | / |
| 12 | Ib | C 相不平衡 | 0.5C | -0.0168,-0.0192,-0.0180 | -0.01800 | -0.02 | / |

| 基本误差 接线方式:三相四线真无功 负载:最小 电压:3×220/380V 电流 3×50A 等级:0.1 级 | | | | | | | |
|---|----|--------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0192,-0.0192,-0.0192 | -0.01920 | -0.02 | / |
| 2 | Ib | 合相 | 0.5L | -0.0240,-0.0240,-0.0240 | -0.02400 | -0.02 | / |
| 3 | Ib | 合相 | 0.5C | -0.0144,-0.0144,-0.0144 | -0.01440 | -0.01 | / |
| 4 | Ib | A 相不平衡 | 1.0 | -0.0240,-0.0240,-0.0264 | -0.02480 | -0.02 | / |
| 5 | Ib | A 相不平衡 | 0.5L | -0.0456,-0.0456,-0.0456 | -0.04560 | -0.05 | / |
| 6 | Ib | A 相不平衡 | 0.5C | +0.0096,+0.0072,+0.0120 | +0.00960 | +0.01 | / |
| 7 | Ib | B 相不平衡 | 1.0 | -0.0144,-0.0168,-0.0168 | -0.01600 | -0.02 | / |
| 8 | Ib | B 相不平衡 | 0.5L | -0.0264,-0.0240,-0.0264 | -0.02560 | -0.03 | / |
| 9 | Ib | B 相不平衡 | 0.5C | -0.0072,-0.0048,-0.0048 | -0.00560 | -0.01 | / |
| 10 | Ib | C 相不平衡 | 1.0 | -0.0216,-0.0216,-0.0240 | -0.02240 | -0.02 | / |
| 11 | Ib | C 相不平衡 | 0.5L | -0.0336,-0.0312,-0.0360 | -0.03360 | -0.03 | / |
| 12 | Ib | C 相不平衡 | 0.5C | -0.0144,-0.0192,-0.0168 | -0.01680 | -0.02 | / |

| 基本误差 接线方式:三相四线真无功 负载:最小 电压:3×220/380V 电流 3×25A 等级:0.1 级 | | | | | | | |
|---|----|--------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0192,-0.0192,-0.0240 | -0.02080 | -0.02 | / |
| 2 | Ib | 合相 | 0.5L | -0.0240,-0.0240,-0.0288 | -0.02560 | -0.03 | / |
| 3 | Ib | 合相 | 0.5C | -0.0096,-0.0144,-0.0144 | -0.01280 | -0.01 | / |
| 4 | Ib | A 相不平衡 | 1.0 | -0.0240,-0.0240,-0.0240 | -0.02400 | -0.02 | / |
| 5 | Ib | A 相不平衡 | 0.5L | -0.0480,-0.0432,-0.0432 | -0.04480 | -0.05 | / |
| 6 | Ib | A 相不平衡 | 0.5C | +0.0048,+0.0048,+0.0048 | +0.00480 | +0.00 | / |
| 7 | Ib | B 相不平衡 | 1.0 | -0.0154,-0.0154,-0.0154 | -0.01540 | -0.02 | / |
| 8 | Ib | B 相不平衡 | 0.5L | -0.0202,-0.0192,-0.0182 | -0.01920 | -0.02 | / |
| 9 | Ib | B 相不平衡 | 0.5C | -0.0096,-0.0086,-0.0096 | -0.00927 | -0.01 | / |
| 10 | Ib | C 相不平衡 | 1.0 | -0.0192,-0.0192,-0.0192 | -0.01920 | -0.02 | / |
| 11 | Ib | C 相不平衡 | 0.5L | -0.0231,-0.0240,-0.0231 | -0.02340 | -0.02 | / |

| 12 | Ib | C相不平衡 | 0.5C | -0.0154,-0.0154,-0.0221 | -0.01763 | -0.02 | / |
|--|----|-------|------|-------------------------|----------|--------|-------|
| 基本误差 接线方式:三相四线真无功 负载:最小 电压:3×220/380V 电流 3×10A 等级:0.1级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0216,-0.0240,-0.0216 | -0.02240 | -0.02 | / |
| 2 | Ib | 合相 | 0.5L | -0.0264,-0.0264,-0.0240 | -0.02560 | -0.03 | / |
| 3 | Ib | 合相 | 0.5C | -0.0168,-0.0168,-0.0168 | -0.01680 | -0.02 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0288,-0.0312,-0.0312 | -0.03040 | -0.03 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0384,-0.0384,-0.0384 | -0.03840 | -0.04 | / |
| 6 | Ib | A相不平衡 | 0.5C | -0.0192,-0.0168,-0.0168 | -0.01760 | -0.02 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0144,-0.0144,-0.0144 | -0.01440 | -0.01 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0192,-0.0144,-0.0168 | -0.01680 | -0.02 | / |
| 9 | Ib | B相不平衡 | 0.5C | -0.0072,-0.0096,-0.0096 | -0.00880 | -0.01 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0264,-0.0240,-0.0264 | -0.02560 | -0.03 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0312,-0.0288,-0.0312 | -0.03040 | -0.03 | / |
| 12 | Ib | C相不平衡 | 0.5C | -0.0168,-0.0192,-0.0168 | -0.01760 | -0.02 | / |

| 基本误差 接线方式:三相四线真无功 负载:最小 电压:3×220/380V 电流 3×5A 等级:0.1级 | | | | | | | |
|---|----|-------|------|---|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0192,-0.0192,-0.0180,-0.0192,-0.0192 | -0.01896 | -0.02 | 0.0005 |
| 2 | Ib | 合相 | 0.5L | -0.0276,-0.0264,-0.0276,-0.0276,-0.0252 | -0.02688 | -0.03 | 0.0010 |
| 3 | Ib | 合相 | 0.5C | -0.0084,-0.0096,-0.0096,-0.0084,-0.0096 | -0.00912 | -0.01 | 0.0005 |
| 4 | Ib | A相不平衡 | 1.0 | -0.0192,-0.0204,-0.0192,-0.0204,-0.0216 | -0.02016 | -0.02 | 0.0010 |
| 5 | Ib | A相不平衡 | 0.5L | -0.0324,-0.0324,-0.0336,-0.0324,-0.0336 | -0.03288 | -0.03 | 0.0005 |
| 6 | Ib | A相不平衡 | 0.5C | -0.0048,-0.0036,-0.0036,-0.0036,-0.0036 | -0.00384 | -0.00 | 0.0005 |
| 7 | Ib | B相不平衡 | 1.0 | -0.0144,-0.0156,-0.0144,-0.0156,-0.0156 | -0.01512 | -0.02 | 0.0005 |
| 8 | Ib | B相不平衡 | 0.5L | -0.0252,-0.0264,-0.0264,-0.0264,-0.0252 | -0.02592 | -0.03 | 0.0005 |
| 9 | Ib | B相不平衡 | 0.5C | -0.0012,+0.0000,-0.0012,+0.0000,-0.0012 | -0.00072 | -0.00 | 0.0005 |
| 10 | Ib | C相不平衡 | 1.0 | -0.0228,-0.0216,-0.0228,-0.0216,-0.0216 | -0.02208 | -0.02 | 0.0005 |
| 11 | Ib | C相不平衡 | 0.5L | -0.0276,-0.0276,-0.0276,-0.0276,-0.0276 | -0.02760 | -0.03 | 0.0000 |
| 12 | Ib | C相不平衡 | 0.5C | -0.0156,-0.0144,-0.0156,-0.0144,-0.0144 | -0.01488 | -0.01 | 0.0005 |

| 基本误差 接线方式:三相四线真无功 负载:最小 电压:3×220/380V 电流 3×2.5A 等级:0.1级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0192,-0.0168,-0.0192 | -0.01840 | -0.02 | / |
| 2 | Ib | 合相 | 0.5L | -0.0240,-0.0240,-0.0264 | -0.02480 | -0.02 | / |
| 3 | Ib | 合相 | 0.5C | -0.0096,-0.0096,-0.0096 | -0.00960 | -0.01 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0192,-0.0192,-0.0192 | -0.01920 | -0.02 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0288,-0.0264,-0.0288 | -0.02800 | -0.03 | / |
| 6 | Ib | A相不平衡 | 0.5C | -0.0048,-0.0048,-0.0072 | -0.00560 | -0.01 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0144,-0.0144,-0.0144 | -0.01440 | -0.01 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0192,-0.0168,-0.0192 | -0.01840 | -0.02 | / |
| 9 | Ib | B相不平衡 | 0.5C | -0.0048,-0.0072,-0.0072 | -0.00640 | -0.01 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0216,-0.0240,-0.0216 | -0.02240 | -0.02 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0336,-0.0360,-0.0336 | -0.03440 | -0.03 | / |

| 12 | Ib | C相不平衡 | 0.5C | -0.0048,-0.0048,-0.0048 | -0.00480 | -0.00 | / |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 基本误差 接线方式:三相四线真无功 负载:最小 电压:3×220/380V 电流 3×1A 等级:0.1级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0156,-0.0156,-0.0156 | -0.01560 | -0.02 | / |
| 2 | Ib | 合相 | 0.5L | -0.0204,-0.0204,-0.0204 | -0.02040 | -0.02 | / |
| 3 | Ib | 合相 | 0.5C | -0.0072,-0.0072,-0.0048 | -0.00640 | -0.01 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0192,-0.0204,-0.0192 | -0.01960 | -0.02 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0276,-0.0264,-0.0276 | -0.02720 | -0.03 | / |
| 6 | Ib | A相不平衡 | 0.5C | +0.0000,+0.0000,+0.0000 | +0.00000 | +0.00 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0180,-0.0168,-0.0168 | -0.01720 | -0.02 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0288,-0.0276,-0.0288 | -0.02840 | -0.03 | / |
| 9 | Ib | B相不平衡 | 0.5C | +0.0024,+0.0012,+0.0036 | +0.00240 | +0.00 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0192,-0.0192,-0.0192 | -0.01920 | -0.02 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0264,-0.0264,-0.0276 | -0.02680 | -0.03 | / |
| 12 | Ib | C相不平衡 | 0.5C | -0.0036,-0.0024,-0.0048 | -0.00360 | -0.0 | / |

| 基本误差 接线方式:三相四线真无功 负载:最小 电压:3×220/380V 电流 3×0.5A 等级:0.1级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0288,-0.0288,-0.0264 | -0.02800 | -0.03 | / |
| 2 | Ib | 合相 | 0.5L | -0.0360,-0.0336,-0.0360 | -0.03520 | -0.04 | / |
| 3 | Ib | 合相 | 0.5C | -0.0048,-0.0048,-0.0048 | -0.00480 | -0.00 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0360,-0.0360,-0.0360 | -0.03600 | -0.04 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0528,-0.0504,-0.0528 | -0.05200 | -0.05 | / |
| 6 | Ib | A相不平衡 | 0.5C | +0.0000,-0.0024,+0.0000 | -0.00080 | -0.00 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0360,-0.0384,-0.0360 | -0.03680 | -0.04 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0552,-0.0528,-0.0528 | -0.05360 | -0.05 | / |
| 9 | Ib | B相不平衡 | 0.5C | +0.0216,+0.0240,+0.0240 | +0.02320 | +0.02 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0312,-0.0288,-0.0288 | -0.02960 | -0.03 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0456,-0.0456,-0.0456 | -0.04560 | -0.05 | / |
| 12 | Ib | C相不平衡 | 0.5C | +0.0072,+0.0096,+0.0072 | +0.00800 | +0.01 | / |

| 基本误差 接线方式:三相四线真无功 负载:最小 电压:3×220/380V 电流 3×0.25A 等级:0.1级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0192,-0.0192,-0.0202 | -0.01953 | -0.02 | / |
| 2 | Ib | 合相 | 0.5L | -0.0202,-0.0202,-0.0192 | -0.01987 | -0.02 | / |
| 3 | Ib | 合相 | 0.5C | -0.0144,-0.0154,-0.0154 | -0.01507 | -0.02 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0480,-0.0432,-0.0480 | -0.04640 | -0.05 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0721,-0.0721,-0.0721 | -0.07210 | -0.07 | / |
| 6 | Ib | A相不平衡 | 0.5C | +0.0240,+0.0240,+0.0240 | +0.02400 | +0.02 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0250,-0.0240,-0.0250 | -0.02467 | -0.02 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0192,-0.0182,-0.0173 | -0.01823 | -0.02 | / |
| 9 | Ib | B相不平衡 | 0.5C | -0.0077,-0.0086,-0.0125 | -0.00960 | -0.01 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0375,-0.0375,-0.0375 | -0.03750 | -0.04 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0557,-0.0557,-0.0548 | -0.05540 | -0.06 | / |

| 12 | Ib | C相不平衡 | 0.5C | +0.0211,+0.0211,+0.0211 | +0.02110 | +0.02 | / |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 基本误差 接线方式:三相四线真无功 负载:最小 电压:3×220/380V 电流 3×0.1A 等级:0.1级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0264,-0.0240,-0.0240 | -0.02480 | -0.02 | / |
| 2 | Ib | 合相 | 0.5L | +0.0000,+0.0000,+0.0000 | +0.00000 | +0.00 | / |
| 3 | Ib | 合相 | 0.5C | -0.0432,-0.0408,-0.0456 | -0.04320 | -0.04 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0721,-0.0721,-0.0745 | -0.07290 | -0.07 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.1274,-0.1274,-0.1274 | -0.12740 | -0.13 | / |
| 6 | Ib | A相不平衡 | 0.5C | +0.0863,+0.0863,+0.0887 | +0.08710 | +0.09 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0624,-0.0624,-0.0624 | -0.06240 | -0.06 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0432,-0.0456,-0.0432 | -0.04400 | -0.04 | / |
| 9 | Ib | B相不平衡 | 0.5C | -0.0192,-0.0168,-0.0192 | -0.01840 | -0.02 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0432,-0.0432,-0.0456 | -0.04400 | -0.04 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0432,-0.0384,-0.0456 | -0.04240 | -0.04 | / |
| 12 | Ib | C相不平衡 | 0.5C | +0.0168,+0.0192,+0.0120 | +0.01600 | +0.02 | / |

| 基本误差 接线方式:三相四线真无功 负载:最小 电压:3×220/380V 电流 3×0.05A 等级:0.1级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0432,-0.0480,-0.0432 | -0.04480 | -0.04 | / |
| 2 | Ib | 合相 | 0.5L | -0.0769,-0.0817,-0.0769 | -0.07850 | -0.08 | / |
| 3 | Ib | 合相 | 0.5C | +0.0528,+0.0576,+0.0528 | +0.05440 | +0.05 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.1057,-0.1057,-0.1057 | -0.10570 | -0.11 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.2165,-0.2117,-0.2068 | -0.21167 | -0.21 | / |
| 6 | Ib | A相不平衡 | 0.5C | +0.1964,+0.1916,+0.1964 | +0.19480 | +0.19 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.1105,-0.1105,-0.1153 | -0.11210 | -0.11 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.2020,-0.1972,-0.2020 | -0.20040 | -0.20 | / |
| 9 | Ib | B相不平衡 | 0.5C | +0.1821,+0.1821,+0.1821 | +0.18210 | +0.18 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.1153,-0.1105,-0.1153 | -0.11370 | -0.11 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.2165,-0.2117,-0.2117 | -0.21330 | -0.21 | / |
| 12 | Ib | C相不平衡 | 0.5C | +0.1821,+0.1773,+0.1821 | +0.18050 | +0.18 | / |

| 基本误差 接线方式:三相四线真无功 负载:最小 电压:3×220/380V 电流 3×0.025A 等级:0.1级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0793,-0.0793,-0.0793 | -0.07930 | -0.08 | / |
| 2 | Ib | 合相 | 0.5L | -0.1623,-0.1611,-0.1599 | -0.16110 | -0.16 | / |
| 3 | Ib | 合相 | 0.5C | +0.1390,+0.1414,+0.1402 | +0.14020 | +0.14 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.2189,-0.2177,-0.2165 | -0.21770 | -0.22 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.2339,-0.2363,-0.2387 | -0.23630 | -0.24 | / |
| 6 | Ib | A相不平衡 | 0.5C | +0.2087,+0.2111,+0.2040 | +0.20793 | +0.21 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.2080,-0.2080,-0.2092 | -0.20840 | -0.21 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.2218,-0.2145,-0.2121 | -0.21613 | -0.22 | / |
| 9 | Ib | B相不平衡 | 0.5C | +0.2063,+0.2123,+0.2063 | +0.20830 | +0.21 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.2129,-0.2141,-0.2129 | -0.21330 | -0.21 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.2133,-0.2209,-0.2194 | -0.21453 | -0.21 | / |

| 12 | Ib | C相不平衡 | 0.5C | +0.2004,+0.1944,+0.1968 | +0.19720 | +0.20 | / |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×100A 等级:0.05级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0156,-0.0168,-0.0156 | -0.01600 | -0.015 | / |
| 2 | Ib | 合相 | 0.5L | -0.0108,-0.0120,-0.0120 | -0.01160 | -0.010 | / |
| 3 | Ib | 合相 | 0.8C | -0.0180,-0.0192,-0.0180 | -0.01840 | -0.020 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0132,-0.0132,-0.0144 | -0.01360 | -0.015 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0036,-0.0036,-0.0024 | -0.00320 | -0.005 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0228,-0.0216,-0.0228 | -0.02240 | -0.020 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0168,-0.0156,-0.0156 | -0.01600 | -0.015 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0072,-0.0072,-0.0084 | -0.00760 | -0.010 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0216,-0.0216,-0.0216 | -0.02160 | -0.020 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0156,-0.0156,-0.0168 | -0.01600 | -0.015 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0036,+0.0024,+0.0024 | +0.00040 | +0.000 | / |
| 12 | Ib | C相不平衡 | 0.8C | -0.0216,-0.0228,-0.0216 | -0.02200 | -0.020 | / |

| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×40A 等级:0.05级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0120,-0.0120,-0.0120 | -0.01200 | -0.010 | / |
| 2 | Ib | 合相 | 0.5L | -0.0090,-0.0060,-0.0090 | -0.00800 | -0.010 | / |
| 3 | Ib | 合相 | 0.8C | -0.0120,-0.0120,-0.0150 | -0.01300 | -0.015 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0120,-0.0150,-0.0150 | -0.01400 | -0.015 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0030,-0.0030,-0.0030 | -0.00300 | -0.005 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0210,-0.0210,-0.0210 | -0.02100 | -0.020 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0060,-0.0090,-0.0060 | -0.00700 | -0.005 | / |
| 8 | Ib | B相不平衡 | 0.5L | +0.0000,-0.0060,-0.0030 | -0.00300 | -0.005 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0090,-0.0120,-0.0090 | -0.01000 | -0.010 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0150,-0.0150,-0.0120 | -0.01400 | -0.015 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0030,-0.0030,-0.0030 | -0.00300 | -0.005 | / |
| 12 | Ib | C相不平衡 | 0.8C | -0.0180,-0.0180,-0.0150 | -0.01700 | -0.015 | / |

| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×20A 等级:0.05级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0096,-0.0084,-0.0096 | -0.00920 | -0.010 | / |
| 2 | Ib | 合相 | 0.5L | -0.0084,-0.0096,-0.0084 | -0.00880 | -0.010 | / |
| 3 | Ib | 合相 | 0.8C | -0.0096,-0.0084,-0.0096 | -0.00920 | -0.010 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0108,-0.0096,-0.0096 | -0.01000 | -0.010 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0072,-0.0072,-0.0084 | -0.00760 | -0.010 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0120,-0.0108,-0.0132 | -0.01200 | -0.010 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0060,-0.0048,-0.0048 | -0.00520 | -0.005 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0060,-0.0060,-0.0060 | -0.00600 | -0.005 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0060,-0.0060,-0.0040 | -0.00533 | -0.005 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0096,-0.0108,-0.0096 | -0.01000 | -0.010 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0060,-0.0084,-0.0072 | -0.00720 | -0.005 | / |

| 12 | Ib | C相不平衡 | 0.8C | -0.0096,-0.0108,-0.0096 | -0.01000 | -0.010 | / |
|--|----|-------|------|-------------------------|----------|--------|-------|
| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×10A 等级:0.05级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0120,-0.0144,-0.0120 | -0.01280 | -0.015 | / |
| 2 | Ib | 合相 | 0.5L | -0.0120,-0.0096,-0.0120 | -0.01120 | -0.010 | / |
| 3 | Ib | 合相 | 0.8C | -0.0144,-0.0144,-0.0120 | -0.01360 | -0.015 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0192,-0.0216,-0.0192 | -0.02000 | -0.020 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0168,-0.0168,-0.0144 | -0.01600 | -0.015 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0216,-0.0240,-0.0216 | -0.02240 | -0.020 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0048,-0.0048,-0.0048 | -0.00480 | -0.005 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0048,-0.0048,-0.0048 | -0.00480 | -0.005 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0048,-0.0024,-0.0048 | -0.00400 | -0.005 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0144,-0.0168,-0.0144 | -0.01520 | -0.015 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0096,-0.0120,-0.0096 | -0.01040 | -0.010 | / |
| 12 | Ib | C相不平衡 | 0.8C | -0.0168,-0.0144,-0.0168 | -0.01600 | -0.015 | / |

| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×5A 等级:0.05级 | | | | | | | |
|---|----|-------|------|---|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0084,-0.0084,-0.0084,-0.0084,-0.0096 | -0.00864 | -0.010 | 0.0005 |
| 2 | Ib | 合相 | 0.5L | -0.0036,-0.0036,-0.0048,-0.0036,-0.0036 | -0.00384 | -0.005 | 0.0005 |
| 3 | Ib | 合相 | 0.8C | -0.0108,-0.0096,-0.0108,-0.0108,-0.0096 | -0.01032 | -0.010 | 0.0005 |
| 4 | Ib | A相不平衡 | 1.0 | -0.0096,-0.0108,-0.0096,-0.0096,-0.0108 | -0.01008 | -0.010 | 0.0005 |
| 5 | Ib | A相不平衡 | 0.5L | -0.0024,-0.0024,-0.0024,-0.0024,-0.0024 | -0.00240 | -0.000 | 0.0000 |
| 6 | Ib | A相不平衡 | 0.8C | -0.0132,-0.0132,-0.0144,-0.0132,-0.0144 | -0.01368 | -0.015 | 0.0005 |
| 7 | Ib | B相不平衡 | 1.0 | -0.0036,-0.0048,-0.0048,-0.0036,-0.0048 | -0.00432 | -0.005 | 0.0005 |
| 8 | Ib | B相不平衡 | 0.5L | +0.0036,+0.0024,+0.0036,+0.0024,+0.0036 | +0.00312 | +0.005 | 0.0005 |
| 9 | Ib | B相不平衡 | 0.8C | -0.0072,-0.0072,-0.0072,-0.0072,-0.0072 | -0.00720 | -0.005 | 0.0000 |
| 10 | Ib | C相不平衡 | 1.0 | -0.0108,-0.0096,-0.0108,-0.0096,-0.0108 | -0.01032 | -0.010 | 0.0005 |
| 11 | Ib | C相不平衡 | 0.5L | -0.0096,-0.0096,-0.0096,-0.0108,-0.0096 | -0.00984 | -0.010 | 0.0005 |
| 12 | Ib | C相不平衡 | 0.8C | -0.0096,-0.0108,-0.0108,-0.0096,-0.0108 | -0.01032 | -0.010 | 0.0005 |

| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×2.5A 等级:0.05级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0096,-0.0096,-0.0096 | -0.00960 | -0.010 | / |
| 2 | Ib | 合相 | 0.5L | -0.0072,-0.0072,-0.0048 | -0.00640 | -0.005 | / |
| 3 | Ib | 合相 | 0.8C | -0.0120,-0.0120,-0.0120 | -0.01200 | -0.010 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0096,-0.0096,-0.0120 | -0.01040 | -0.010 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0072,-0.0072,-0.0072 | -0.00720 | -0.005 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0144,-0.0120,-0.0120 | -0.01280 | -0.015 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0072,-0.0048,-0.0048 | -0.00560 | -0.005 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0048,-0.0048,-0.0048 | -0.00480 | -0.005 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0048,-0.0048,-0.0048 | -0.00480 | -0.005 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0120,-0.0120,-0.0120 | -0.01200 | -0.010 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0024,-0.0048,-0.0048 | -0.00400 | -0.005 | / |

| 12 | Ib | C相不平衡 | 0.8C | -0.0168,-0.0144,-0.0144 | -0.01520 | -0.015 | / |
|--|----|-------|------|-------------------------|----------|--------|--------|
| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×1A 等级:0.05 级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0060,-0.0060,-0.0060 | -0.00600 | -0.005 | / |
| 2 | Ib | 合相 | 0.5L | -0.0036,-0.0048,-0.0048 | -0.00440 | -0.005 | / |
| 3 | Ib | 合相 | 0.8C | -0.0060,-0.0072,-0.0060 | -0.00640 | -0.005 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0048,-0.0060,-0.0048 | -0.00520 | -0.005 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0012,-0.0024,-0.0024 | -0.00200 | -0.000 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0072,-0.0060,-0.0060 | -0.00640 | -0.005 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0048,-0.0048,-0.0036 | -0.00440 | -0.005 | / |
| 8 | Ib | B相不平衡 | 0.5L | +0.0000,+0.0012,-0.0012 | 0.00000 | 0.000 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0060,-0.0060,-0.0060 | -0.00600 | -0.005 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0060,-0.0060,-0.0060 | -0.00600 | -0.005 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0060,-0.0060,-0.0060 | -0.00600 | -0.005 | / |
| 12 | Ib | C相不平衡 | 0.8C | -0.0060,-0.0060,-0.0060 | -0.00600 | -0.005 | / |

| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×0.5A 等级:0.05 级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0144,-0.0120,-0.0120 | -0.01280 | -0.015 | / |
| 2 | Ib | 合相 | 0.5L | -0.0096,-0.0120,-0.0096 | -0.01040 | -0.010 | / |
| 3 | Ib | 合相 | 0.8C | -0.0144,-0.0120,-0.0120 | -0.01280 | -0.015 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0168,-0.0192,-0.0192 | -0.01840 | -0.020 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0120,-0.0144,-0.0144 | -0.01360 | -0.015 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0192,-0.0216,-0.0192 | -0.02000 | -0.020 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0072,-0.0072,-0.0096 | -0.00800 | -0.010 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0120,-0.0096,-0.0096 | -0.01040 | -0.010 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0048,-0.0024,-0.0048 | -0.00400 | -0.005 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0096,-0.0096,-0.0096 | -0.00960 | -0.010 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0072,-0.0048,-0.0048 | -0.00560 | -0.005 | / |
| 12 | Ib | C相不平衡 | 0.8C | -0.0096,-0.0120,-0.0120 | -0.01120 | -0.010 | / |

| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×0.25A 等级:0.05 级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0077,-0.0086,-0.0086 | -0.00830 | -0.010 | / |
| 2 | Ib | 合相 | 0.5L | -0.0115,-0.0096,-0.0144 | -0.01183 | -0.010 | / |
| 3 | Ib | 合相 | 0.8C | -0.0058,-0.0058,-0.0067 | -0.00610 | -0.005 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0144,-0.0144,-0.0144 | -0.01440 | -0.015 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0096,-0.0144,-0.0096 | -0.01120 | -0.010 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0144,-0.0192,-0.0144 | -0.01600 | -0.015 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0048,-0.0038,-0.0048 | -0.00447 | -0.005 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0182,-0.0192,-0.0192 | -0.01887 | -0.020 | / |
| 9 | Ib | B相不平衡 | 0.8C | +0.0029,+0.0029,+0.0029 | +0.00290 | +0.005 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0029,-0.0038,-0.0019 | -0.00287 | -0.005 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0048,-0.0029,-0.0019 | -0.00320 | -0.005 | / |

| 12 | Ib | C相不平衡 | 0.8C | -0.0048,-0.0029,-0.0010 | -0.00290 | -0.005 | / |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×0.1A 等级:0.05级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0144,-0.0120,-0.0120 | -0.01280 | -0.015 | / |
| 2 | Ib | 合相 | 0.5L | -0.0360,-0.0336,-0.0360 | -0.03520 | -0.035 | / |
| 3 | Ib | 合相 | 0.8C | +0.0000,+0.0000,+0.0000 | +0.00000 | +0.000 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0072,-0.0072,-0.0048 | -0.00640 | -0.005 | / |
| 5 | Ib | A相不平衡 | 0.5L | +0.0048,+0.0024,+0.0000 | +0.00240 | +0.000 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0072,-0.0072,-0.0096 | -0.00800 | -0.010 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0144,-0.0168,-0.0168 | -0.01600 | -0.015 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0504,-0.0552,-0.0552 | -0.05360 | -0.055 | / |
| 9 | Ib | B相不平衡 | 0.8C | +0.0048,+0.0048,+0.0024 | +0.00400 | +0.005 | / |
| 10 | Ib | C相不平衡 | 1.0 | +0.0000,+0.0024,-0.0048 | -0.00080 | -0.000 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0312,-0.0264,-0.0216 | -0.02640 | -0.025 | / |
| 12 | Ib | C相不平衡 | 0.8C | +0.0168,+0.0168,+0.0192 | +0.01760 | +0.020 | / |

| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×0.05A 等级:0.05级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0000,+0.0000,+0.0000 | +0.00000 | +0.000 | / |
| 2 | Ib | 合相 | 0.5L | +0.0000,-0.0048,+0.0000 | -0.00160 | -0.000 | / |
| 3 | Ib | 合相 | 0.8C | +0.0048,+0.0000,+0.0048 | +0.00320 | +0.005 | / |
| 4 | Ib | A相不平衡 | 1.0 | +0.0096,+0.0096,+0.0048 | +0.00800 | +0.010 | / |
| 5 | Ib | A相不平衡 | 0.5L | +0.0192,+0.0144,+0.0192 | +0.01760 | +0.020 | / |
| 6 | Ib | A相不平衡 | 0.8C | +0.0096,+0.0096,+0.0096 | +0.00960 | +0.010 | / |
| 7 | Ib | B相不平衡 | 1.0 | +0.0000,+0.0048,+0.0048 | +0.00320 | +0.005 | / |
| 8 | Ib | B相不平衡 | 0.5L | +0.0000,+0.0000,+0.0000 | +0.00000 | +0.000 | / |
| 9 | Ib | B相不平衡 | 0.8C | +0.0144,+0.0144,+0.0096 | +0.01280 | +0.015 | / |
| 10 | Ib | C相不平衡 | 1.0 | +0.0000,+0.0048,+0.0000 | +0.00160 | +0.000 | / |
| 11 | Ib | C相不平衡 | 0.5L | +0.0048,+0.0048,+0.0000 | +0.00320 | +0.005 | / |
| 12 | Ib | C相不平衡 | 0.8C | +0.0096,+0.0096,+0.0096 | +0.00960 | +0.010 | / |

| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×0.025A 等级:0.05级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0036,+0.0024,+0.0036 | +0.00320 | +0.005 | / |
| 2 | Ib | 合相 | 0.5L | +0.0180,+0.0180,+0.0156 | +0.01720 | +0.015 | / |
| 3 | Ib | 合相 | 0.8C | +0.0036,+0.0024,+0.0036 | +0.00320 | +0.005 | / |
| 4 | Ib | A相不平衡 | 1.0 | +0.0072,+0.0084,+0.0084 | +0.00800 | +0.010 | / |
| 5 | Ib | A相不平衡 | 0.5L | +0.0384,+0.0324,+0.0336 | +0.03480 | +0.035 | / |
| 6 | Ib | A相不平衡 | 0.8C | +0.0192,+0.0144,+0.0132 | +0.01560 | +0.015 | / |
| 7 | Ib | B相不平衡 | 1.0 | +0.0192,+0.0192,+0.0180 | +0.01880 | +0.020 | / |
| 8 | Ib | B相不平衡 | 0.5L | +0.0516,+0.0576,+0.0540 | +0.05440 | +0.055 | / |
| 9 | Ib | B相不平衡 | 0.8C | +0.0204,+0.0228,+0.0240 | +0.02240 | +0.020 | / |
| 10 | Ib | C相不平衡 | 1.0 | +0.0252,+0.0252,+0.0252 | +0.02520 | +0.025 | / |
| 11 | Ib | C相不平衡 | 0.5L | +0.0552,+0.0564,+0.0528 | +0.05480 | +0.055 | / |

| 12 | Ib | C相不平衡 | 0.8C | +0.0252,+0.0252,+0.0276 | +0.02600 | +0.025 | / |
|---|----|-------|------|-------------------------|----------|--------|--------|
| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×0.01A 等级:0.05 级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0180,+0.0180,+0.0210 | +0.01900 | +0.020 | / |
| 2 | Ib | 合相 | 0.5L | +0.0450,+0.0450,+0.0420 | +0.04400 | +0.045 | / |
| 3 | Ib | 合相 | 0.8C | +0.0270,+0.0210,+0.0240 | +0.02400 | +0.025 | / |
| 4 | Ib | A相不平衡 | 1.0 | +0.0460,+0.0460,+0.0520 | +0.04800 | +0.050 | / |
| 5 | Ib | A相不平衡 | 0.5L | +0.0318,+0.0498,+0.0617 | +0.04777 | +0.050 | / |
| 6 | Ib | A相不平衡 | 0.8C | +0.0749,+0.0690,+0.0660 | +0.06997 | +0.070 | / |
| 7 | Ib | B相不平衡 | 1.0 | +0.0300,+0.0240,+0.0210 | +0.02500 | +0.025 | / |
| 8 | Ib | B相不平衡 | 0.5L | +0.0449,+0.0659,+0.0809 | +0.06390 | +0.065 | / |
| 9 | Ib | B相不平衡 | 0.8C | +0.0360,+0.0270,+0.0300 | +0.03100 | +0.030 | / |
| 10 | Ib | C相不平衡 | 1.0 | +0.0400,+0.0460,+0.0460 | +0.04400 | +0.045 | / |
| 11 | Ib | C相不平衡 | 0.5L | +0.0518,+0.0518,+0.0518 | +0.05180 | +0.050 | / |
| 12 | Ib | C相不平衡 | 0.8C | +0.0620,+0.0649,+0.0649 | +0.06393 | +0.065 | / |

| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×0.005A 等级:0.05 级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0240,+0.0300,+0.0240 | +0.02600 | +0.025 | / |
| 2 | Ib | 合相 | 0.5L | +0.0000,-0.0060,-0.0060 | -0.00400 | -0.005 | / |
| 3 | Ib | 合相 | 0.8C | +0.0660,+0.0660,+0.0720 | +0.06800 | +0.070 | / |
| 4 | Ib | A相不平衡 | 1.0 | +0.0660,+0.0720,+0.0779 | +0.07197 | +0.070 | / |
| 5 | Ib | A相不平衡 | 0.5L | +0.1079,+0.0899,+0.0899 | +0.09590 | +0.095 | / |
| 6 | Ib | A相不平衡 | 0.8C | +0.1378,+0.1139,+0.1079 | +0.11987 | +0.120 | / |
| 7 | Ib | B相不平衡 | 1.0 | +0.0420,+0.0480,+0.0480 | +0.04600 | +0.045 | / |
| 8 | Ib | B相不平衡 | 0.5L | +0.0720,+0.0720,+0.0660 | +0.07000 | +0.070 | / |
| 9 | Ib | B相不平衡 | 0.8C | +0.1258,+0.1199,+0.1258 | +0.12383 | +0.125 | / |
| 10 | Ib | C相不平衡 | 1.0 | +0.0739,+0.0799,+0.0799 | +0.07790 | +0.080 | / |
| 11 | Ib | C相不平衡 | 0.5L | +0.1498,+0.1079,+0.0899 | +0.11587 | +0.115 | / |
| 12 | Ib | C相不平衡 | 0.8C | +0.1258,+0.1199,+0.1258 | +0.12383 | +0.125 | / |

| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×220/380V 电流 3×0.003A 等级:0.05 级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0300,+0.0300,+0.0300 | +0.03000 | +0.030 | / |
| 2 | Ib | 合相 | 0.5L | -0.0600,-0.0600,-0.0801 | -0.06670 | -0.065 | / |
| 3 | Ib | 合相 | 0.8C | +0.1198,+0.1298,+0.1198 | +0.12313 | +0.125 | / |
| 4 | Ib | A相不平衡 | 1.0 | +0.0798,+0.0798,+0.0896 | +0.08300 | +0.085 | / |
| 5 | Ib | A相不平衡 | 0.5L | +0.1295,+0.1294,+0.1293 | +0.12940 | +0.130 | / |
| 6 | Ib | A相不平衡 | 0.8C | +0.1190,+0.1190,+0.1190 | +0.11900 | +0.120 | / |
| 7 | Ib | B相不平衡 | 1.0 | +0.0897,+0.0897,+0.0896 | +0.0897 | +0.090 | / |
| 8 | Ib | B相不平衡 | 0.5L | +0.0298,+0.0400,+0.0360 | +0.03520 | +0.035 | / |
| 9 | Ib | B相不平衡 | 0.8C | +0.1196,+0.1197,+0.1196 | +0.11963 | +0.120 | / |
| 10 | Ib | C相不平衡 | 1.0 | +0.0996,+0.0996,+0.0996 | +0.09960 | +0.100 | / |
| 11 | Ib | C相不平衡 | 0.5L | +0.0794,+0.0798,+0.0799 | +0.07950 | +0.080 | / |

| 12 | Ib | C相不平衡 | 0.8C | +0.1295,+0.1294,+0.1293 | +0.12940 | +0.130 | / |
|--|----|-------|------|-------------------------|----------|--------|-------|
| 基本误差 接线方式:三相四线有功 负载:最大 电压:3×57.7/100V 电流 3×5A 等级:0.05级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0120,-0.0130,-0.0130 | -0.01267 | -0.015 | / |
| 2 | Ib | 合相 | 0.5L | -0.0130,-0.0130,-0.0130 | -0.01300 | -0.015 | / |
| 3 | Ib | 合相 | 0.8C | -0.0120,-0.0140,-0.0130 | -0.01300 | -0.015 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0120,-0.0110,-0.0120 | -0.01167 | -0.010 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0140,-0.0160,-0.0140 | -0.01467 | -0.015 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0100,-0.0110,-0.0110 | -0.01067 | -0.010 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0130,-0.0140,-0.0130 | -0.01333 | -0.015 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0120,-0.0120,-0.0120 | -0.01200 | -0.010 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0130,-0.0140,-0.0130 | -0.01333 | -0.015 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0140,-0.0140,-0.0140 | -0.01400 | -0.015 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0100,-0.0100,-0.0110 | -0.01033 | -0.010 | / |
| 12 | Ib | C相不平衡 | 0.8C | -0.0150,-0.0160,-0.0160 | -0.01567 | -0.015 | / |

| 基本误差 接线方式:三相三线有功 负载:最大 电压:3×100V 电流 3×5A 等级:0.05级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0096,-0.0108,-0.0108 | -0.01040 | -0.010 | / |
| 2 | Ib | 合相 | 0.5L | -0.0084,-0.0084,-0.0072 | -0.00800 | -0.010 | / |
| 3 | Ib | 合相 | 0.8C | -0.0108,-0.0120,-0.0120 | -0.01160 | -0.010 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0108,-0.0108,-0.0108 | -0.01080 | -0.010 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0048,-0.0048,-0.0048 | -0.00480 | -0.005 | / |
| 6 | Ib | A相不平衡 | 0.8C | -0.0144,-0.0132,-0.0144 | -0.01400 | -0.015 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0096,-0.0108,-0.0096 | -0.01000 | -0.010 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0084,-0.0084,-0.0084 | -0.00840 | -0.010 | / |
| 9 | Ib | B相不平衡 | 0.8C | -0.0108,-0.0120,-0.0108 | -0.01120 | -0.010 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0108,-0.0108,-0.0108 | -0.01080 | -0.010 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0108,-0.0108,-0.0120 | -0.01120 | -0.010 | / |
| 12 | Ib | C相不平衡 | 0.8C | -0.0108,-0.0108,-0.0108 | -0.01080 | -0.010 | / |

| 基本误差 接线方式:三相四线真无功 负载:最大 电压:3×220/380V 电流 3×100A 等级:0.1级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0228,-0.0240,-0.0216 | -0.02280 | -0.02 | / |
| 2 | Ib | 合相 | 0.5L | -0.0240,-0.0288,-0.0264 | -0.02640 | -0.03 | / |
| 3 | Ib | 合相 | 0.5C | -0.0300,-0.0252,-0.0252 | -0.02680 | -0.03 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0300,-0.0276,-0.0288 | -0.02880 | -0.03 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0588,-0.0576,-0.0576 | -0.05800 | -0.06 | / |
| 6 | Ib | A相不平衡 | 0.5C | +0.0252,+0.0264,+0.0252 | +0.02560 | +0.03 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0240,-0.0240,-0.0252 | -0.02440 | -0.02 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0396,-0.0372,-0.0396 | -0.03880 | -0.04 | / |
| 9 | Ib | B相不平衡 | 0.5C | -0.0036,-0.0036,-0.0060 | -0.00440 | -0.00 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0240,-0.0240,-0.0240 | -0.02400 | -0.02 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0408,-0.0336,-0.0372 | -0.03720 | -0.04 | / |

| 12 | Ib | C相不平衡 | 0.5C | -0.0156,-0.0204,-0.0252 | -0.02040 | -0.02 | / |
|--|----|-------|------|-------------------------|----------|--------|--------|
| 基本误差 接线方式:三相四线真无功 负载:最大 电压:3×220/380V 电流 3×50A 等级:0.1级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0216,-0.0216,-0.0216 | -0.02160 | -0.02 | / |
| 2 | Ib | 合相 | 0.5L | -0.0264,-0.0264,-0.0264 | -0.02640 | -0.03 | / |
| 3 | Ib | 合相 | 0.5C | -0.0192,-0.0168,-0.0216 | -0.01920 | -0.02 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0312,-0.0288,-0.0288 | -0.02960 | -0.03 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0528,-0.0504,-0.0528 | -0.05200 | -0.05 | / |
| 6 | Ib | A相不平衡 | 0.5C | +0.0072,+0.0072,+0.0072 | +0.00720 | +0.01 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0168,-0.0216,-0.0192 | -0.01920 | -0.02 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0264,-0.0312,-0.0264 | -0.02800 | -0.03 | / |
| 9 | Ib | B相不平衡 | 0.5C | -0.0072,-0.0072,-0.0096 | -0.00800 | -0.01 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0240,-0.0240,-0.0216 | -0.02320 | -0.02 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0312,-0.0336,-0.0336 | -0.03280 | -0.03 | / |
| 12 | Ib | C相不平衡 | 0.5C | -0.0168,-0.0168,-0.0168 | -0.01680 | -0.02 | / |

| 基本误差 接线方式:三相四线真无功 负载:最大 电压:3×220/380V 电流 3×25A 等级:0.1级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0192,-0.0192,-0.0192 | -0.01920 | -0.02 | / |
| 2 | Ib | 合相 | 0.5L | -0.0192,-0.0240,-0.0240 | -0.02240 | -0.02 | / |
| 3 | Ib | 合相 | 0.5C | -0.0096,-0.0144,-0.0096 | -0.01120 | -0.01 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0240,-0.0240,-0.0288 | -0.02560 | -0.03 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0432,-0.0480,-0.0432 | -0.04480 | -0.04 | / |
| 6 | Ib | A相不平衡 | 0.5C | +0.0048,+0.0048,+0.0096 | +0.00640 | +0.01 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0173,-0.0182,-0.0173 | -0.01760 | -0.02 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0211,-0.0211,-0.0221 | -0.02143 | -0.02 | / |
| 9 | Ib | B相不平衡 | 0.5C | -0.0086,-0.0106,-0.0096 | -0.00960 | -0.01 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0192,-0.0192,-0.0202 | -0.01953 | -0.02 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0240,-0.0240,-0.0240 | -0.02400 | -0.02 | / |
| 12 | Ib | C相不平衡 | 0.5C | -0.0163,-0.0154,-0.0144 | -0.01537 | -0.02 | / |

| 基本误差 接线方式:三相四线真无功 负载:最大 电压:3×220/380V 电流 3×10A 等级:0.1级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0240,-0.0240,-0.0216 | -0.02320 | -0.02 | / |
| 2 | Ib | 合相 | 0.5L | -0.0288,-0.0288,-0.0288 | -0.02880 | -0.03 | / |
| 3 | Ib | 合相 | 0.5C | -0.0168,-0.0168,-0.0168 | -0.01680 | -0.02 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0336,-0.0336,-0.0336 | -0.03360 | -0.03 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0432,-0.0432,-0.0432 | -0.04320 | -0.04 | / |
| 6 | Ib | A相不平衡 | 0.5C | -0.0168,-0.0168,-0.0192 | -0.01760 | -0.02 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0168,-0.0192,-0.0144 | -0.01680 | -0.02 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0192,-0.0216,-0.0216 | -0.02080 | -0.02 | / |
| 9 | Ib | B相不平衡 | 0.5C | -0.0048,-0.0072,-0.0072 | -0.00640 | -0.01 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0264,-0.0264,-0.0264 | -0.02640 | -0.03 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0360,-0.0360,-0.0336 | -0.03520 | -0.04 | / |

| 12 | Ib | C相不平衡 | 0.5C | -0.0144,-0.0168,-0.0144 | -0.01520 | -0.02 | / |
|---|----|-------|------|---|----------|--------|--------|
| 基本误差 接线方式:三相四线真无功 负载:最大 电压:3×220/380V 电流 3×5A 等级:0.1级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0192,-0.0204,-0.0192,-0.0192,-0.0204 | -0.01968 | -0.02 | 0.0005 |
| 2 | Ib | 合相 | 0.5L | -0.0300,-0.0288,-0.0276,-0.0288,-0.0276 | -0.02856 | -0.03 | 0.0010 |
| 3 | Ib | 合相 | 0.5C | -0.0072,-0.0072,-0.0072,-0.0084,-0.0072 | -0.00744 | -0.01 | 0.0005 |
| 4 | Ib | A相不平衡 | 1.0 | -0.0252,-0.0240,-0.0252,-0.0240,-0.0240 | -0.02448 | -0.02 | 0.0005 |
| 5 | Ib | A相不平衡 | 0.5L | -0.0396,-0.0396,-0.0384,-0.0372,-0.0396 | -0.03888 | -0.04 | 0.0010 |
| 6 | Ib | A相不平衡 | 0.5C | +0.0000,+0.0012,+0.0000,+0.0000,-0.0012 | 0.00000 | 0.00 | 0.0010 |
| 7 | Ib | B相不平衡 | 1.0 | -0.0168,-0.0180,-0.0180,-0.0156,-0.0168 | -0.01704 | -0.02 | 0.0010 |
| 8 | Ib | B相不平衡 | 0.5L | -0.0312,-0.0300,-0.0300,-0.0312,-0.0312 | -0.03072 | -0.03 | 0.0005 |
| 9 | Ib | B相不平衡 | 0.5C | +0.0060,+0.0048,+0.0048,+0.0036,+0.0036 | +0.00456 | +0.00 | 0.0010 |
| 10 | Ib | C相不平衡 | 1.0 | -0.0252,-0.0252,-0.0252,-0.0252,-0.0252 | -0.02520 | -0.03 | 0.0000 |
| 11 | Ib | C相不平衡 | 0.5L | -0.0324,-0.0312,-0.0348,-0.0336,-0.0336 | -0.03312 | -0.03 | 0.0015 |
| 12 | Ib | C相不平衡 | 0.5C | -0.0096,-0.0096,-0.0096,-0.0096,-0.0096 | -0.00960 | -0.01 | 0.0000 |

| 基本误差 接线方式:三相四线真无功 负载:最大 电压:3×220/380V 电流 3×2.5A 等级:0.1级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0216,-0.0216,-0.0216 | -0.02160 | -0.02 | / |
| 2 | Ib | 合相 | 0.5L | -0.0312,-0.0288,-0.0312 | -0.03040 | -0.03 | / |
| 3 | Ib | 合相 | 0.5C | -0.0072,-0.0072,-0.0048 | -0.00640 | -0.01 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0288,-0.0312,-0.0288 | -0.02960 | -0.03 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0432,-0.0432,-0.0432 | -0.04320 | -0.04 | / |
| 6 | Ib | A相不平衡 | 0.5C | +0.0000,+0.0024,+0.0024 | +0.00160 | +0.00 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0240,-0.0240,-0.0216 | -0.02320 | -0.02 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0312,-0.0336,-0.0312 | -0.03200 | -0.03 | / |
| 9 | Ib | B相不平衡 | 0.5C | +0.0048,+0.0024,+0.0024 | +0.00320 | +0.00 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0288,-0.0264,-0.0288 | -0.02800 | -0.03 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0456,-0.0480,-0.0456 | -0.04640 | -0.05 | / |
| 12 | Ib | C相不平衡 | 0.5C | +0.0072,+0.0048,+0.0072 | +0.00640 | +0.01 | / |

| 基本误差 接线方式:三相四线真无功 负载:最大 电压:3×220/380V 电流 3×1A 等级:0.1级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0216,-0.0228,-0.0216 | -0.02200 | -0.02 | / |
| 2 | Ib | 合相 | 0.5L | -0.0336,-0.0312,-0.0336 | -0.03280 | -0.03 | / |
| 3 | Ib | 合相 | 0.5C | +0.0024,+0.0024,+0.0012 | +0.00200 | +0.00 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0348,-0.0348,-0.0360 | -0.03520 | -0.04 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.0588,-0.0588,-0.0576 | -0.05840 | -0.06 | / |
| 6 | Ib | A相不平衡 | 0.5C | +0.0264,+0.0264,+0.0252 | +0.02600 | +0.03 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0336,-0.0324,-0.0336 | -0.03320 | -0.03 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.0588,-0.0576,-0.0600 | -0.05880 | -0.06 | / |
| 9 | Ib | B相不平衡 | 0.5C | +0.0300,+0.0276,+0.0288 | +0.02880 | +0.03 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0336,-0.0324,-0.0336 | -0.03320 | -0.03 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.0564,-0.0564,-0.0552 | -0.05600 | -0.06 | / |

| 12 | Ib | C相不平衡 | 0.5C | +0.0252,+0.0264,+0.0252 | +0.02560 | +0.03 | / |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 基本误差 接线方式:三相四线真无功 负载:最大 电压:3×220/380V 电流 3×0.5A 等级:0.1级 | | | | | | | |
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0384,-0.0360,-0.0384 | -0.03760 | -0.04 | / |
| 2 | Ib | 合相 | 0.5L | -0.0576,-0.0576,-0.0576 | -0.05760 | -0.06 | / |
| 3 | Ib | 合相 | 0.5C | +0.0144,+0.0144,+0.0120 | +0.01360 | +0.01 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.0672,-0.0648,-0.0672 | -0.06640 | -0.07 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.1129,-0.1081,-0.1081 | -0.10970 | -0.11 | / |
| 6 | Ib | A相不平衡 | 0.5C | +0.0504,+0.0528,+0.0504 | +0.05120 | +0.05 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0672,-0.0672,-0.0648 | -0.06640 | -0.07 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.1129,-0.1105,-0.1105 | -0.11130 | -0.11 | / |
| 9 | Ib | B相不平衡 | 0.5C | +0.0767,+0.0767,+0.0767 | +0.07670 | +0.08 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0576,-0.0600,-0.0576 | -0.05840 | -0.06 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.1033,-0.1033,-0.1033 | -0.10330 | -0.10 | / |
| 12 | Ib | C相不平衡 | 0.5C | +0.0648,+0.0648,+0.0624 | +0.06400 | +0.06 | / |

| 基本误差 接线方式:三相四线真无功 负载:最大 电压:3×220/380V 电流 3×0.25A 等级:0.1级 | | | | | | | |
|--|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0384,-0.0394,-0.0413 | -0.03970 | -0.04 | / |
| 2 | Ib | 合相 | 0.5L | -0.0567,-0.0576,-0.0567 | -0.05700 | -0.06 | / |
| 3 | Ib | 合相 | 0.5C | +0.0163,+0.0202,+0.0211 | +0.01920 | +0.02 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.1009,-0.1009,-0.1057 | -0.10250 | -0.10 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.1827,-0.1827,-0.1827 | -0.18270 | -0.18 | / |
| 6 | Ib | A相不平衡 | 0.5C | +0.1294,+0.1294,+0.1294 | +0.12940 | +0.13 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.0788,-0.0778,-0.0778 | -0.07813 | -0.08 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.1278,-0.1288,-0.1288 | -0.12847 | -0.13 | / |
| 9 | Ib | B相不平衡 | 0.5C | +0.0969,+0.0969,+0.0969 | +0.09690 | +0.10 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.0894,-0.0894,-0.0894 | -0.08940 | -0.09 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.1615,-0.1625,-0.1625 | -0.16217 | -0.16 | / |
| 12 | Ib | C相不平衡 | 0.5C | +0.1294,+0.1285,+0.1285 | +0.12880 | +0.13 | / |

| 基本误差 接线方式:三相四线真无功 负载:最大 电压:3×220/380V 电流 3×0.1A 等级:0.1级 | | | | | | | |
|---|----|-------|------|-------------------------|----------|--------|-------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S值(%) |
| 1 | Ib | 合相 | 1.0 | -0.0697,-0.0697,-0.0721 | -0.07050 | -0.07 | / |
| 2 | Ib | 合相 | 0.5L | -0.0937,-0.0937,-0.0937 | -0.09370 | -0.09 | / |
| 3 | Ib | 合相 | 0.5C | +0.0480,+0.0456,+0.0480 | +0.04720 | +0.045 | / |
| 4 | Ib | A相不平衡 | 1.0 | -0.1117,-0.1117,-0.1117 | -0.11170 | -0.11 | / |
| 5 | Ib | A相不平衡 | 0.5L | -0.2024,-0.2024,-0.2073 | -0.20403 | -0.20 | / |
| 6 | Ib | A相不平衡 | 0.5C | +0.2516,+0.2563,+0.2587 | +0.25553 | +0.26 | / |
| 7 | Ib | B相不平衡 | 1.0 | -0.1972,-0.1972,-0.1972 | -0.19720 | -0.20 | / |
| 8 | Ib | B相不平衡 | 0.5L | -0.2178,-0.2178,-0.2130 | -0.21620 | -0.22 | / |
| 9 | Ib | B相不平衡 | 0.5C | +0.2538,+0.2538,+0.2514 | +0.25300 | +0.25 | / |
| 10 | Ib | C相不平衡 | 1.0 | -0.1803,-0.1803,-0.1803 | -0.18030 | -0.18 | / |
| 11 | Ib | C相不平衡 | 0.5L | -0.2081,-0.2081,-0.2057 | -0.20730 | -0.20 | / |

| | | | | | | | |
|----|----|-------|------|-------------------------|----------|-------|---|
| 12 | Ib | C相不平衡 | 0.5C | +0.2776,+0.2776,+0.2752 | +0.27680 | +0.28 | / |
|----|----|-------|------|-------------------------|----------|-------|---|

| 基本误差 接线方式:三相四线真无功 负载:最大 电压:3×220/380V 电流 3×0.05A 等级:0.1 级 | | | | | | | |
|---|----|----|------|-------------------------|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.1394,-0.1346,-0.1394 | -0.13780 | -0.14 | / |
| 2 | Ib | 合相 | 0.5L | -0.2551,-0.2599,-0.2551 | -0.25670 | -0.26 | / |
| 3 | Ib | 合相 | 0.5C | +0.2299,+0.2347,+0.2347 | +0.23310 | +0.23 | / |

No.SD1512019

1 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0666 | 0.0666 | 0.0555 | 0.06290 | 0.06 |
| | 50A | 0.0222 | 0.0222 | 0.0333 | 0.02590 | 0.03 |
| | 20A | 0.0166 | 0.0083 | 0.0166 | 0.01383 | 0.01 |
| | 10A | 0.0000 | 0.0133 | 0.0133 | 0.0088 | 0.01 |
| | 5A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 2.5A | 0.0166 | 0.0000 | 0.0083 | 0.00830 | 0.01 |
| | 1A | 0.0066 | 0.0200 | 0.0066 | 0.01106 | 0.01 |
| | 0.5A | 0.0033 | 0.0100 | 0.0066 | 0.00663 | 0.01 |
| | 0.1A | 0.0080 | 0.0093 | 0.0086 | 0.00863 | 0.01 |
| 0.5L | 100A | 0.0499 | 0.0333 | 0.0333 | 0.03883 | 0.04 |
| | 50A | 0.0166 | 0.0166 | 0.0333 | 0.02216 | 0.02 |
| | 20A | 0.0000 | 0.0000 | 0.0111 | 0.0037 | 0.00 |
| | 10A | -0.0200 | -0.0266 | -0.0200 | -0.0222 | -0.02 |
| | 5A | -0.0200 | -0.0266 | -0.0266 | -0.0244 | -0.02 |
| | 2.5A | -0.0250 | -0.0250 | -0.0250 | -0.0250 | -0.02 |
| | 1A | -0.0266 | -0.0333 | -0.0266 | -0.0288 | -0.03 |
| | 0.5A | -0.0333 | -0.0300 | -0.0300 | -0.0311 | -0.03 |
| | 0.1A | -0.0300 | -0.0313 | -0.0313 | -0.0308 | -0.03 |
| 0.5C | 100A | 0.1331 | 0.1497 | 0.1331 | 0.13863 | 0.14 |
| | 50A | 0.0832 | 0.0999 | 0.0832 | 0.08876 | 0.09 |
| | 20A | 0.0777 | 0.0666 | 0.0666 | 0.07030 | 0.07 |
| | 10A | 0.0533 | 0.0466 | 0.0533 | 0.05106 | 0.05 |
| | 5A | 0.0466 | 0.0466 | 0.0399 | 0.04436 | 0.04 |
| | 2.5A | 0.0499 | 0.0499 | 0.0416 | 0.04713 | 0.05 |
| | 1A | 0.0533 | 0.0533 | 0.0466 | 0.05106 | 0.05 |
| | 0.5A | 0.0466 | 0.0399 | 0.0433 | 0.04326 | 0.04 |
| | 0.1A | 0.0446 | 0.0413 | 0.0433 | 0.04306 | 0.04 |

2 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0777 | 0.0666 | 0.0555 | 0.06660 | 0.07 |
| | 50A | 0.0111 | 0.0333 | 0.0222 | 0.02220 | 0.02 |
| | 20A | 0.0083 | 0.0166 | 0.0083 | 0.01106 | 0.01 |
| | 10A | 0.0133 | 0.0066 | 0.0066 | 0.00883 | 0.01 |
| | 5A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 2.5A | 0.0000 | 0.0000 | 0.0083 | 0.0027 | 0.00 |
| | 1A | 0.0066 | 0.0200 | 0.0000 | 0.00886 | 0.01 |
| | 0.5A | 0.0033 | 0.0066 | 0.0066 | 0.00550 | 0.01 |
| | 0.1A | 0.0020 | 0.0006 | 0.0033 | 0.00156 | 0.00 |
| 0.5L | 100A | 0.0499 | 0.0333 | 0.0333 | 0.03883 | 0.04 |
| | 50A | 0.0000 | 0.0333 | 0.0166 | 0.0166 | 0.02 |
| | 20A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 10A | -0.0200 | -0.0266 | -0.0266 | -0.0244 | -0.02 |
| | 5A | -0.0200 | -0.0266 | -0.0266 | -0.0244 | -0.02 |
| | 2.5A | -0.0333 | -0.0250 | -0.0333 | -0.0305 | -0.03 |
| | 1A | -0.0333 | -0.0333 | -0.0333 | -0.0333 | -0.03 |
| | 0.5A | -0.0366 | -0.0366 | -0.0366 | -0.0366 | -0.04 |
| | 0.1A | -0.0466 | -0.0360 | -0.0433 | -0.0419 | -0.04 |
| 0.5C | 100A | 0.1165 | 0.1331 | 0.1165 | 0.12203 | 0.12 |
| | 50A | 0.0666 | 0.0832 | 0.0832 | 0.07766 | 0.08 |
| | 20A | 0.0555 | 0.0666 | 0.0666 | 0.06290 | 0.06 |
| | 10A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 5A | 0.0399 | 0.0466 | 0.0399 | 0.04213 | 0.04 |
| | 2.5A | 0.0499 | 0.0416 | 0.0416 | 0.04436 | 0.04 |
| | 1A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 0.5A | 0.0466 | 0.0366 | 0.0366 | 0.03993 | 0.04 |
| | 0.1A | 0.0339 | 0.0359 | 0.0353 | 0.03503 | 0.04 |

3 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|----------|--------|
| 1.0 | 100A | 0.0666 | 0.0555 | 0.0666 | 0.06290 | 0.06 |
| | 50A | 0.0222 | 0.0333 | 0.0222 | 0.02590 | 0.03 |
| | 20A | 0.0083 | 0.0166 | 0.0166 | 0.01383 | 0.01 |
| | 10A | 0.0266 | 0.0133 | 0.0133 | -0.0000 | 0.00 |
| | 5A | 0.0200 | 0.0066 | 0.0200 | 0.01553 | 0.02 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | 0.0027 | 0.00 |
| | 1A | 0.0066 | 0.0200 | 0.0133 | 0.01330 | 0.01 |
| | 0.5A | 0.0066 | 0.0100 | 0.0100 | 0.00886 | 0.01 |
| | 0.1A | 0.0080 | 0.0100 | 0.0086 | 0.00886 | 0.01 |
| 0.5L | 100A | 0.0333 | 0.0166 | 0.0333 | 0.02773 | 0.03 |
| | 50A | 0.0000 | 0.0333 | 0.0166 | 0.0166 | 0.02 |
| | 20A | 0.0111 | 0.0000 | 0.0111 | -0.00000 | 0.00 |
| | 10A | -0.0266 | -0.0200 | -0.0266 | -0.0244 | -0.02 |
| | 5A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 2.5A | -0.0250 | -0.0333 | -0.0250 | -0.0277 | -0.03 |
| | 1A | -0.0333 | -0.0266 | -0.0333 | -0.0310 | -0.03 |
| | 0.5A | -0.0300 | -0.0300 | -0.0300 | -0.0300 | -0.03 |
| | 0.1A | -0.0306 | -0.0326 | -0.0333 | -0.0321 | -0.03 |
| 0.5C | 100A | 0.1165 | 0.1331 | 0.1331 | 0.12756 | 0.13 |
| | 50A | 0.0832 | 0.0999 | 0.0832 | 0.08876 | 0.09 |
| | 20A | 0.0666 | 0.0777 | 0.0555 | 0.06660 | 0.07 |
| | 10A | 0.0466 | 0.0533 | 0.0533 | 0.05106 | 0.05 |
| | 5A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 2.5A | 0.0583 | 0.0416 | 0.0499 | 0.04993 | 0.05 |
| | 1A | 0.0533 | 0.0466 | 0.0533 | 0.05106 | 0.05 |
| | 0.5A | 0.0499 | 0.0466 | 0.0399 | 0.04546 | 0.05 |
| | 0.1A | 0.0453 | 0.0419 | 0.0426 | 0.04326 | 0.04 |

4 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0666 | 0.0666 | 0.0555 | 0.06290 | 0.06 |
| | 50A | 0.0222 | 0.0222 | 0.0222 | 0.02220 | 0.02 |
| | 20A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 10A | 0.0266 | 0.0133 | 0.0066 | -0.0022 | 0.00 |
| | 5A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | 0.0027 | 0.00 |
| | 1A | 0.0066 | 0.0200 | 0.0066 | 0.01106 | 0.01 |
| | 0.5A | 0.0066 | 0.0066 | 0.0066 | 0.00660 | 0.01 |
| | 0.1A | 0.0060 | 0.0040 | 0.0033 | 0.00443 | 0.00 |
| 0.5L | 100A | 0.0333 | 0.0333 | 0.0499 | 0.03883 | 0.04 |
| | 50A | 0.0166 | 0.0166 | 0.0333 | 0.02216 | 0.02 |
| | 20A | 0.0000 | 0.0000 | 0.0111 | 0.0037 | 0.00 |
| | 10A | -0.0266 | -0.0200 | -0.0266 | -0.0244 | -0.02 |
| | 5A | -0.0200 | -0.0266 | -0.0333 | -0.0266 | -0.03 |
| | 2.5A | -0.0250 | -0.0250 | -0.0250 | -0.0250 | -0.02 |
| | 1A | -0.0333 | -0.0333 | -0.0333 | -0.0333 | -0.03 |
| | 0.5A | -0.0333 | -0.0333 | -0.0333 | -0.0333 | -0.03 |
| | 0.1A | -0.0413 | -0.0333 | -0.0400 | -0.0382 | -0.04 |
| 0.5C | 100A | 0.1331 | 0.1331 | 0.1331 | 0.13310 | 0.13 |
| | 50A | 0.0832 | 0.0832 | 0.0832 | 0.08320 | 0.08 |
| | 20A | 0.0666 | 0.0666 | 0.0666 | 0.06660 | 0.07 |
| | 10A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 5A | 0.0466 | 0.0399 | 0.0466 | 0.04436 | 0.04 |
| | 2.5A | 0.0416 | 0.0499 | 0.0416 | 0.04436 | 0.04 |
| | 1A | 0.0533 | 0.0466 | 0.0466 | 0.04883 | 0.05 |
| | 0.5A | 0.0466 | 0.0399 | 0.0399 | 0.04213 | 0.04 |
| | 0.1A | 0.0373 | 0.0373 | 0.0373 | 0.03730 | 0.04 |

5 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0666 | 0.0555 | 0.0555 | 0.05920 | 0.06 |
| | 50A | 0.0111 | 0.0333 | 0.0222 | 0.02220 | 0.02 |
| | 20A | 0.0083 | 0.0166 | 0.0083 | 0.01106 | 0.01 |
| | 10A | 0.0066 | 0.0133 | 0.0066 | 0.00883 | 0.01 |
| | 5A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | 0.0027 | 0.00 |
| | 1A | 0.0066 | 0.0200 | 0.0066 | 0.01106 | 0.01 |
| | 0.5A | 0.0033 | 0.0100 | 0.0066 | 0.0044 | 0.00 |
| | 0.1A | 0.0073 | 0.0086 | 0.0053 | 0.00706 | 0.01 |
| 0.5L | 100A | 0.0333 | 0.0166 | 0.0166 | 0.02216 | 0.02 |
| | 50A | 0.0000 | 0.0166 | 0.0166 | 0.0110 | 0.01 |
| | 20A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 10A | -0.0266 | -0.0200 | -0.0266 | -0.0244 | -0.02 |
| | 5A | -0.0200 | -0.0266 | -0.0266 | -0.0244 | -0.02 |
| | 2.5A | -0.0250 | -0.0250 | -0.0250 | -0.0250 | -0.02 |
| | 1A | -0.0333 | -0.0266 | -0.0333 | -0.0310 | -0.03 |
| | 0.5A | -0.0300 | -0.0300 | -0.0300 | -0.0300 | -0.03 |
| | 0.1A | -0.0333 | -0.0326 | -0.0366 | -0.0341 | -0.03 |
| 0.5C | 100A | 0.1165 | 0.1165 | 0.1165 | 0.11650 | 0.12 |
| | 50A | 0.0832 | 0.0832 | 0.0832 | 0.08320 | 0.08 |
| | 20A | 0.0666 | 0.0666 | 0.0555 | 0.06290 | 0.06 |
| | 10A | 0.0466 | 0.0466 | 0.0533 | 0.04883 | 0.05 |
| | 5A | 0.0466 | 0.0399 | 0.0466 | 0.04436 | 0.04 |
| | 2.5A | 0.0499 | 0.0416 | 0.0416 | 0.04436 | 0.04 |
| | 1A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 0.5A | 0.0466 | 0.0399 | 0.0399 | 0.04213 | 0.04 |
| | 0.1A | 0.0426 | 0.0373 | 0.0393 | 0.03973 | 0.04 |

6 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0666 | 0.0555 | 0.0555 | 0.05920 | 0.06 |
| | 50A | 0.0111 | 0.0222 | 0.0333 | 0.02220 | 0.02 |
| | 20A | 0.0083 | 0.0166 | 0.0166 | 0.01383 | 0.01 |
| | 10A | 0.0133 | 0.0066 | 0.0066 | 0.00883 | 0.01 |
| | 5A | 0.0133 | 0.0066 | 0.0200 | 0.01330 | 0.01 |
| | 2.5A | 0.0166 | 0.0083 | 0.0083 | 0.00553 | 0.01 |
| | 1A | 0.0133 | 0.0133 | 0.0066 | 0.01106 | 0.01 |
| | 0.5A | 0.0100 | 0.0066 | 0.0066 | 0.00773 | 0.01 |
| | 0.1A | 0.0073 | 0.0053 | 0.0046 | 0.00573 | 0.01 |
| 0.5L | 100A | 0.0333 | 0.0166 | 0.0333 | 0.02773 | 0.03 |
| | 50A | 0.0000 | 0.0166 | 0.0166 | 0.0110 | 0.01 |
| | 20A | 0.0000 | 0.0000 | 0.0111 | -0.0037 | 0.00 |
| | 10A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 5A | -0.0266 | -0.0333 | -0.0333 | -0.0310 | -0.03 |
| | 2.5A | -0.0333 | -0.0250 | -0.0333 | -0.0305 | -0.03 |
| | 1A | -0.0333 | -0.0333 | -0.0333 | -0.0333 | -0.03 |
| | 0.5A | -0.0333 | -0.0366 | -0.0333 | -0.0344 | -0.03 |
| | 0.1A | -0.0320 | -0.0420 | -0.0360 | -0.0366 | -0.04 |
| 0.5C | 100A | 0.1165 | 0.1165 | 0.1331 | 0.12203 | 0.12 |
| | 50A | 0.0832 | 0.0832 | 0.0832 | 0.08320 | 0.08 |
| | 20A | 0.0666 | 0.0666 | 0.0666 | 0.06660 | 0.07 |
| | 10A | 0.0533 | 0.0466 | 0.0533 | 0.05106 | 0.05 |
| | 5A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 2.5A | 0.0416 | 0.0499 | 0.0499 | 0.04713 | 0.05 |
| | 1A | 0.0533 | 0.0533 | 0.0466 | 0.05106 | 0.05 |
| | 0.5A | 0.0466 | 0.0399 | 0.0433 | 0.04326 | 0.04 |
| | 0.1A | 0.0426 | 0.0393 | 0.0406 | 0.04083 | 0.04 |

7 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0666 | 0.0777 | 0.0666 | 0.07030 | 0.07 |
| | 50A | 0.0333 | 0.0222 | 0.0333 | 0.02960 | 0.03 |
| | 20A | 0.0166 | 0.0249 | 0.0166 | 0.01936 | 0.02 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 5A | 0.0066 | 0.0133 | 0.0133 | 0.01106 | 0.01 |
| | 2.5A | 0.0083 | 0.0166 | 0.0083 | 0.01106 | 0.01 |
| | 1A | 0.0066 | 0.0066 | 0.0133 | 0.00883 | 0.01 |
| | 0.5A | 0.0066 | 0.0100 | 0.0100 | 0.00886 | 0.01 |
| | 0.1A | 0.0080 | 0.0086 | 0.0086 | 0.00840 | 0.01 |
| 0.5L | 100A | 0.0666 | 0.0666 | 0.0666 | 0.06660 | 0.07 |
| | 50A | 0.0333 | 0.0166 | 0.0333 | 0.02773 | 0.03 |
| | 20A | 0.0000 | 0.0111 | 0.0000 | 0.0037 | 0.00 |
| | 10A | -0.0133 | -0.0200 | -0.0200 | -0.0177 | -0.02 |
| | 5A | -0.0133 | -0.0266 | -0.0266 | -0.0221 | -0.02 |
| | 2.5A | -0.0250 | -0.0250 | -0.0333 | -0.0277 | -0.03 |
| | 1A | -0.0266 | -0.0200 | -0.0200 | -0.0222 | -0.02 |
| | 0.5A | -0.0233 | -0.0233 | -0.0233 | -0.0233 | -0.02 |
| | 0.1A | -0.0286 | -0.0260 | -0.0286 | -0.0277 | -0.03 |
| 0.5C | 100A | 0.1497 | 0.1663 | 0.1497 | 0.15523 | 0.16 |
| | 50A | 0.0832 | 0.0832 | 0.0832 | 0.08320 | 0.08 |
| | 20A | 0.0666 | 0.0555 | 0.0666 | 0.06290 | 0.06 |
| | 10A | 0.0533 | 0.0533 | 0.0466 | 0.05106 | 0.05 |
| | 5A | 0.0399 | 0.0466 | 0.0466 | 0.04436 | 0.04 |
| | 2.5A | 0.0499 | 0.0583 | 0.0499 | 0.05270 | 0.05 |
| | 1A | 0.0533 | 0.0466 | 0.0466 | 0.04883 | 0.05 |
| | 0.5A | 0.0466 | 0.0466 | 0.0499 | 0.04770 | 0.05 |
| | 0.1A | 0.0433 | 0.0413 | 0.0473 | 0.04396 | 0.04 |

8 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0555 | 0.0666 | 0.0555 | 0.05920 | 0.06 |
| | 50A | 0.0222 | 0.0222 | 0.0222 | 0.02220 | 0.02 |
| | 20A | 0.0083 | 0.0166 | 0.0166 | 0.01383 | 0.01 |
| | 10A | 0.0066 | 0.0133 | 0.0133 | 0.01106 | 0.01 |
| | 5A | 0.0066 | 0.0066 | 0.0066 | 0.00660 | 0.01 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | 0.00830 | 0.01 |
| | 1A | 0.0066 | 0.0066 | 0.0000 | 0.00440 | 0.00 |
| | 0.5A | 0.0066 | 0.0066 | 0.0066 | 0.00660 | 0.01 |
| | 0.1A | 0.0046 | 0.0033 | 0.0026 | 0.00350 | 0.00 |
| 0.5L | 100A | 0.0499 | 0.0499 | 0.0499 | 0.04990 | 0.05 |
| | 50A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 20A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 10A | -0.0133 | -0.0266 | -0.0266 | -0.0221 | -0.02 |
| | 5A | -0.0200 | -0.0266 | -0.0266 | -0.0244 | -0.02 |
| | 2.5A | -0.0250 | -0.0333 | -0.0333 | -0.0305 | -0.03 |
| | 1A | -0.0266 | -0.0266 | -0.0200 | -0.0244 | -0.02 |
| | 0.5A | -0.0300 | -0.0300 | -0.0300 | -0.0300 | -0.03 |
| | 0.1A | -0.0393 | -0.0353 | -0.0386 | -0.0377 | -0.04 |
| 0.5C | 100A | 0.1331 | 0.1331 | 0.1331 | 0.13310 | 0.13 |
| | 50A | 0.0832 | 0.0666 | 0.0832 | 0.07766 | 0.08 |
| | 20A | 0.0666 | 0.0444 | 0.0555 | 0.05550 | 0.06 |
| | 10A | 0.0533 | 0.0466 | 0.0399 | 0.04660 | 0.05 |
| | 5A | 0.0333 | 0.0399 | 0.0466 | 0.03993 | 0.04 |
| | 2.5A | 0.0499 | 0.0499 | 0.0499 | 0.04990 | 0.05 |
| | 1A | 0.0466 | 0.0399 | 0.0399 | 0.04213 | 0.04 |
| | 0.5A | 0.0433 | 0.0399 | 0.0466 | 0.04326 | 0.04 |
| | 0.1A | 0.0353 | 0.0366 | 0.0379 | 0.03660 | 0.04 |

9 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0666 | 0.0777 | 0.0666 | 0.07030 | 0.07 |
| | 50A | 0.0222 | 0.0333 | 0.0222 | 0.02590 | 0.03 |
| | 20A | 0.0166 | 0.0166 | 0.0249 | 0.01936 | 0.02 |
| | 10A | 0.0133 | 0.0200 | 0.0133 | 0.01553 | 0.02 |
| | 5A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 2.5A | 0.0083 | 0.0166 | 0.0166 | 0.01383 | 0.01 |
| | 1A | 0.0066 | 0.0066 | 0.0133 | 0.00883 | 0.01 |
| | 0.5A | 0.0100 | 0.0100 | 0.0133 | 0.01110 | 0.01 |
| | 0.1A | 0.0026 | 0.0053 | 0.0060 | 0.00463 | 0.00 |
| 0.5L | 100A | 0.0666 | 0.0666 | 0.0666 | 0.06660 | 0.07 |
| | 50A | 0.0333 | 0.0333 | 0.0166 | 0.02773 | 0.03 |
| | 20A | 0.0000 | 0.0111 | 0.0000 | 0.0037 | 0.00 |
| | 10A | -0.0133 | -0.0200 | -0.0200 | -0.0177 | -0.02 |
| | 5A | -0.0200 | -0.0200 | -0.0266 | -0.0222 | -0.02 |
| | 2.5A | -0.0250 | -0.0333 | -0.0250 | -0.0277 | -0.03 |
| | 1A | -0.0266 | -0.0200 | -0.0200 | -0.0222 | -0.02 |
| | 0.5A | -0.0200 | -0.0266 | -0.0266 | -0.0244 | -0.02 |
| | 0.1A | -0.0406 | -0.0353 | -0.0340 | -0.0366 | -0.04 |
| 0.5C | 100A | 0.1497 | 0.1497 | 0.1497 | 0.14970 | 0.15 |
| | 50A | 0.0999 | 0.0832 | 0.0832 | 0.08876 | 0.09 |
| | 20A | 0.0555 | 0.0666 | 0.0666 | 0.06290 | 0.06 |
| | 10A | 0.0599 | 0.0533 | 0.0533 | 0.05550 | 0.06 |
| | 5A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 2.5A | 0.0499 | 0.0583 | 0.0499 | 0.05270 | 0.05 |
| | 1A | 0.0466 | 0.0533 | 0.0466 | 0.04883 | 0.05 |
| | 0.5A | 0.0499 | 0.0499 | 0.0533 | 0.05103 | 0.05 |
| | 0.1A | 0.0446 | 0.0466 | 0.0446 | 0.04526 | 0.05 |

10 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0555 | 0.0777 | 0.0555 | 0.06290 | 0.06 |
| | 50A | 0.0222 | 0.0222 | 0.0222 | 0.02220 | 0.02 |
| | 20A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 10A | 0.0133 | 0.0200 | 0.0133 | 0.01553 | 0.02 |
| | 5A | 0.0066 | 0.0133 | 0.0066 | 0.00883 | 0.01 |
| | 2.5A | 0.0166 | 0.0083 | 0.0166 | 0.01383 | 0.01 |
| | 1A | 0.0066 | 0.0066 | 0.0066 | 0.00660 | 0.01 |
| | 0.5A | 0.0100 | 0.0100 | 0.0100 | 0.01000 | 0.01 |
| | 0.1A | 0.0013 | 0.0060 | 0.0060 | 0.00443 | 0.00 |
| 0.5L | 100A | 0.0499 | 0.0499 | 0.0666 | 0.05546 | 0.06 |
| | 50A | 0.0333 | 0.0166 | 0.0166 | 0.02216 | 0.02 |
| | 20A | 0.0111 | 0.0000 | 0.0000 | 0.00370 | 0.00 |
| | 10A | -0.0133 | -0.0200 | -0.0200 | -0.0177 | -0.02 |
| | 5A | -0.0200 | -0.0266 | -0.0266 | -0.0244 | -0.02 |
| | 2.5A | -0.0250 | -0.0250 | -0.0250 | -0.0250 | -0.02 |
| | 1A | -0.0200 | -0.0200 | -0.0266 | -0.0222 | -0.02 |
| | 0.5A | -0.0233 | -0.0266 | -0.0266 | -0.0255 | -0.03 |
| | 0.1A | -0.0360 | -0.0320 | -0.0313 | -0.0331 | -0.03 |
| 0.5C | 100A | 0.1331 | 0.1331 | 0.1331 | 0.13310 | 0.13 |
| | 50A | 0.0832 | 0.0666 | 0.0832 | 0.07766 | 0.08 |
| | 20A | 0.0555 | 0.0555 | 0.0555 | 0.05550 | 0.06 |
| | 10A | 0.0533 | 0.0466 | 0.0466 | 0.04883 | 0.05 |
| | 5A | 0.0466 | 0.0399 | 0.0399 | 0.04213 | 0.04 |
| | 2.5A | 0.0499 | 0.0583 | 0.0499 | 0.05270 | 0.05 |
| | 1A | 0.0533 | 0.0399 | 0.0466 | 0.04660 | 0.05 |
| | 0.5A | 0.0433 | 0.0466 | 0.0499 | 0.04660 | 0.05 |
| | 0.1A | 0.0386 | 0.0373 | 0.0386 | 0.03816 | 0.04 |

11 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0444 | 0.0555 | 0.0444 | 0.04810 | 0.05 |
| | 50A | 0.0222 | 0.0111 | 0.0222 | 0.01850 | 0.02 |
| | 20A | 0.0166 | 0.0083 | 0.0166 | 0.01383 | 0.01 |
| | 10A | 0.0133 | 0.0133 | 0.0066 | 0.01106 | 0.01 |
| | 5A | 0.0066 | 0.0066 | 0.0133 | 0.00883 | 0.01 |
| | 2.5A | 0.0166 | 0.0083 | 0.0083 | 0.01106 | 0.01 |
| | 1A | 0.0066 | 0.0066 | 0.0066 | 0.00660 | 0.01 |
| | 0.5A | 0.0000 | 0.0100 | 0.0100 | 0.0066 | 0.01 |
| | 0.1A | 0.0026 | 0.0033 | 0.0053 | 0.00373 | 0.00 |
| 0.5L | 100A | 0.0166 | 0.0166 | 0.0333 | 0.02216 | 0.02 |
| | 50A | 0.0166 | 0.0000 | 0.0166 | 0.01106 | 0.01 |
| | 20A | -0.0111 | 0.0000 | -0.0111 | -0.0074 | -0.01 |
| | 10A | -0.0200 | -0.0200 | -0.0266 | -0.0222 | -0.02 |
| | 5A | -0.0266 | -0.0200 | -0.0266 | -0.0244 | -0.02 |
| | 2.5A | -0.0250 | -0.0333 | -0.0250 | -0.0277 | -0.03 |
| | 1A | -0.0266 | -0.0200 | -0.0200 | -0.0222 | -0.02 |
| | 0.5A | -0.0233 | -0.0266 | -0.0266 | -0.0255 | -0.03 |
| | 0.1A | -0.0346 | -0.0366 | -0.0340 | -0.0350 | -0.04 |
| 0.5C | 100A | 0.0999 | 0.0999 | 0.0999 | 0.09990 | 0.10 |
| | 50A | 0.0499 | 0.0666 | 0.0666 | 0.06103 | 0.06 |
| | 20A | 0.0444 | 0.0555 | 0.0444 | 0.04810 | 0.05 |
| | 10A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 5A | 0.0399 | 0.0399 | 0.0399 | 0.03990 | 0.04 |
| | 2.5A | 0.0499 | 0.0499 | 0.0499 | 0.04990 | 0.05 |
| | 1A | 0.0466 | 0.0466 | 0.0399 | 0.04436 | 0.04 |
| | 0.5A | 0.0466 | 0.0466 | 0.0499 | 0.04770 | 0.05 |
| | 0.1A | 0.0426 | 0.0366 | 0.0453 | 0.04150 | 0.04 |

12 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| | | | | | | |
| 1.0 | 100A | 0.0555 | 0.0777 | 0.0555 | 0.06290 | 0.06 |
| | 50A | 0.0111 | 0.0222 | 0.0222 | 0.01850 | 0.02 |
| | 20A | 0.0083 | 0.0166 | 0.0166 | 0.01383 | 0.01 |
| | 10A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 5A | 0.0066 | 0.0066 | 0.0133 | 0.00883 | 0.01 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | 0.00830 | 0.01 |
| | 1A | 0.0066 | 0.0066 | 0.0000 | 0.00440 | 0.00 |
| | 0.5A | 0.0033 | 0.0066 | 0.0066 | 0.00550 | 0.01 |
| | 0.1A | 0.0033 | 0.0033 | 0.0040 | 0.00353 | 0.00 |
| 0.5L | 100A | 0.0333 | 0.0499 | 0.0499 | 0.04436 | 0.04 |
| | 50A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 20A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 10A | -0.0200 | -0.0266 | -0.0200 | -0.0222 | -0.02 |
| | 5A | -0.0200 | -0.0266 | -0.0266 | -0.0244 | -0.02 |
| | 2.5A | -0.0250 | -0.0333 | -0.0333 | -0.0305 | -0.03 |
| | 1A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 0.5A | -0.0266 | -0.0266 | -0.0300 | -0.0277 | -0.03 |
| | 0.1A | -0.0346 | -0.0353 | -0.0393 | -0.0364 | -0.04 |
| 0.5C | 100A | 0.1331 | 0.1331 | 0.1331 | 0.13310 | 0.13 |
| | 50A | 0.0666 | 0.0832 | 0.0666 | 0.07213 | 0.07 |
| | 20A | 0.0555 | 0.0555 | 0.0555 | 0.05550 | 0.06 |
| | 10A | 0.0466 | 0.0533 | 0.0466 | 0.04883 | 0.05 |
| | 5A | 0.0399 | 0.0399 | 0.0466 | 0.04213 | 0.04 |
| | 2.5A | 0.0499 | 0.0583 | 0.0499 | 0.05270 | 0.05 |
| | 1A | 0.0533 | 0.0399 | 0.0466 | 0.04660 | 0.05 |
| | 0.5A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 0.1A | 0.0406 | 0.0373 | 0.0413 | 0.03973 | 0.04 |

13 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0555 | 0.0333 | 0.0444 | 0.04440 | 0.04 |
| | 50A | 0.0222 | 0.0333 | 0.0222 | 0.02590 | 0.03 |
| | 20A | 0.0166 | 0.0166 | 0.0249 | 0.01936 | 0.02 |
| | 10A | 0.0066 | 0.0133 | 0.0133 | 0.01106 | 0.01 |
| | 5A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 2.5A | 0.0083 | 0.0166 | 0.0083 | 0.0055 | 0.01 |
| | 1A | 0.0066 | 0.0133 | 0.0066 | 0.00883 | 0.01 |
| | 0.5A | 0.0133 | 0.0100 | 0.0100 | 0.01110 | 0.01 |
| | 0.1A | 0.0113 | 0.0100 | 0.0093 | 0.01020 | 0.01 |
| 0.5L | 100A | 0.0166 | 0.0333 | 0.0333 | 0.02773 | 0.03 |
| | 50A | 0.0166 | 0.0000 | 0.0333 | 0.01663 | 0.02 |
| | 20A | 0.0000 | -0.0111 | 0.0000 | -0.0037 | 0.00 |
| | 10A | -0.0133 | -0.0200 | -0.0266 | -0.0199 | -0.02 |
| | 5A | -0.0133 | -0.0200 | -0.0266 | -0.0199 | -0.02 |
| | 2.5A | -0.0166 | -0.0250 | -0.0166 | -0.0194 | -0.02 |
| | 1A | -0.0266 | -0.0266 | -0.0200 | -0.0244 | -0.02 |
| | 0.5A | -0.0300 | -0.0266 | -0.0300 | -0.0288 | -0.03 |
| | 0.1A | -0.0280 | -0.0300 | -0.0266 | -0.0282 | -0.03 |
| 0.5C | 100A | 0.1165 | 0.1331 | 0.1165 | 0.12203 | 0.12 |
| | 50A | 0.0832 | 0.0832 | 0.0832 | 0.08320 | 0.08 |
| | 20A | 0.0555 | 0.0666 | 0.0666 | 0.06290 | 0.06 |
| | 10A | 0.0599 | 0.0599 | 0.0533 | 0.05770 | 0.06 |
| | 5A | 0.0599 | 0.0533 | 0.0533 | 0.05550 | 0.06 |
| | 2.5A | 0.0499 | 0.0583 | 0.0499 | 0.05270 | 0.05 |
| | 1A | 0.0466 | 0.0399 | 0.0466 | 0.04436 | 0.04 |
| | 0.5A | 0.0499 | 0.0433 | 0.0399 | 0.04436 | 0.04 |
| | 0.1A | 0.0439 | 0.0466 | 0.0473 | 0.04593 | 0.05 |

14 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0555 | 0.0444 | 0.0555 | 0.05180 | 0.05 |
| | 50A | 0.0222 | 0.0222 | 0.0222 | 0.02220 | 0.02 |
| | 20A | 0.0166 | 0.0083 | 0.0083 | 0.01106 | 0.01 |
| | 10A | 0.0066 | 0.0000 | 0.0000 | 0.00220 | 0.00 |
| | 5A | 0.0000 | 0.0000 | 0.0066 | 0.0022 | 0.00 |
| | 2.5A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 1A | 0.0000 | 0.0000 | 0.0066 | -0.0022 | 0.00 |
| | 0.5A | 0.0000 | 0.0033 | 0.0000 | -0.0011 | 0.00 |
| | 0.1A | 0.0066 | 0.0060 | 0.0026 | -0.0050 | 0.00 |
| 0.5L | 100A | 0.0499 | 0.0499 | 0.0333 | 0.04436 | 0.04 |
| | 50A | 0.0166 | 0.0166 | 0.0333 | 0.02216 | 0.02 |
| | 20A | 0.0000 | -0.0111 | -0.0111 | -0.0074 | -0.01 |
| | 10A | -0.0200 | -0.0266 | -0.0266 | -0.0244 | -0.02 |
| | 5A | -0.0266 | -0.0266 | -0.0333 | -0.0288 | -0.03 |
| | 2.5A | -0.0250 | -0.0250 | -0.0333 | -0.0277 | -0.03 |
| | 1A | -0.0333 | -0.0333 | -0.0333 | -0.0333 | -0.03 |
| | 0.5A | -0.0400 | -0.0433 | -0.0400 | -0.0411 | -0.04 |
| | 0.1A | -0.0426 | -0.0480 | -0.0473 | -0.0459 | -0.05 |
| 0.5C | 100A | 0.1497 | 0.1331 | 0.1331 | 0.13863 | 0.14 |
| | 50A | 0.0832 | 0.0832 | 0.0666 | 0.07766 | 0.08 |
| | 20A | 0.0666 | 0.0555 | 0.0555 | 0.05920 | 0.06 |
| | 10A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 5A | 0.0466 | 0.0399 | 0.0399 | 0.04213 | 0.04 |
| | 2.5A | 0.0416 | 0.0416 | 0.0416 | 0.04160 | 0.04 |
| | 1A | 0.0333 | 0.0266 | 0.0333 | 0.03106 | 0.03 |
| | 0.5A | 0.0366 | 0.0333 | 0.0266 | 0.03216 | 0.03 |
| | 0.1A | 0.0306 | 0.0293 | 0.0299 | 0.02993 | 0.03 |

15 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0444 | 0.0444 | 0.0555 | 0.04810 | 0.05 |
| | 50A | 0.0222 | 0.0333 | 0.0333 | 0.02960 | 0.03 |
| | 20A | 0.0249 | 0.0166 | 0.0249 | 0.02213 | 0.02 |
| | 10A | 0.0133 | 0.0133 | 0.0200 | 0.01553 | 0.02 |
| | 5A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 2.5A | 0.0166 | 0.0166 | 0.0083 | 0.0027 | 0.00 |
| | 1A | 0.0066 | 0.0133 | 0.0066 | 0.00883 | 0.01 |
| | 0.5A | 0.0100 | 0.0133 | 0.0100 | 0.01110 | 0.01 |
| | 0.1A | 0.0120 | 0.0106 | 0.0086 | 0.01040 | 0.01 |
| 0.5L | 100A | 0.0333 | 0.0333 | 0.0499 | 0.03883 | 0.04 |
| | 50A | 0.0166 | 0.0333 | 0.0166 | 0.02216 | 0.02 |
| | 20A | 0.0000 | -0.0111 | 0.0000 | -0.0037 | 0.00 |
| | 10A | -0.0133 | -0.0133 | -0.0266 | -0.0177 | -0.02 |
| | 5A | -0.0133 | -0.0266 | -0.0266 | -0.0221 | -0.02 |
| | 2.5A | -0.0166 | -0.0250 | -0.0166 | -0.0194 | -0.02 |
| | 1A | -0.0333 | -0.0200 | -0.0266 | -0.0266 | -0.03 |
| | 0.5A | -0.0300 | -0.0300 | -0.0266 | -0.0288 | -0.03 |
| | 0.1A | -0.0306 | -0.0360 | -0.0266 | -0.0310 | -0.03 |
| 0.5C | 100A | 0.1331 | 0.1497 | 0.1331 | 0.13863 | 0.14 |
| | 50A | 0.0999 | 0.0832 | 0.0832 | 0.08876 | 0.09 |
| | 20A | 0.0666 | 0.0666 | 0.0666 | 0.06660 | 0.07 |
| | 10A | 0.0666 | 0.0599 | 0.0533 | 0.05993 | 0.06 |
| | 5A | 0.0599 | 0.0533 | 0.0533 | 0.05550 | 0.06 |
| | 2.5A | 0.0499 | 0.0583 | 0.0499 | 0.05270 | 0.05 |
| | 1A | 0.0399 | 0.0466 | 0.0466 | 0.04436 | 0.04 |
| | 0.5A | 0.0466 | 0.0466 | 0.0433 | 0.04550 | 0.05 |
| | 0.1A | 0.0446 | 0.0473 | 0.0506 | 0.04750 | 0.05 |

16 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0555 | 0.0444 | 0.0555 | 0.05180 | 0.05 |
| | 50A | 0.0222 | 0.0333 | 0.0222 | 0.02590 | 0.03 |
| | 20A | 0.0166 | 0.0166 | 0.0249 | 0.01936 | 0.02 |
| | 10A | 0.0066 | 0.0133 | 0.0133 | 0.01106 | 0.01 |
| | 5A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 2.5A | 0.0000 | 0.0083 | 0.0083 | 0.0055 | 0.01 |
| | 1A | 0.0066 | 0.0133 | 0.0066 | 0.00883 | 0.01 |
| | 0.5A | 0.0100 | 0.0100 | 0.0100 | 0.01000 | 0.01 |
| | 0.1A | 0.0053 | 0.0060 | 0.0066 | 0.00596 | 0.01 |
| 0.5L | 100A | 0.0333 | 0.0333 | 0.0333 | 0.03330 | 0.03 |
| | 50A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 20A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 10A | -0.0133 | -0.0200 | -0.0200 | -0.0177 | -0.02 |
| | 5A | -0.0133 | -0.0200 | -0.0266 | -0.0199 | -0.02 |
| | 2.5A | -0.0166 | -0.0250 | -0.0166 | -0.0194 | -0.02 |
| | 1A | -0.0266 | -0.0266 | -0.0200 | -0.0244 | -0.02 |
| | 0.5A | -0.0333 | -0.0300 | -0.0300 | -0.0311 | -0.03 |
| | 0.1A | -0.0346 | -0.0346 | -0.0333 | -0.0341 | -0.03 |
| 0.5C | 100A | 0.1331 | 0.1331 | 0.1165 | 0.12756 | 0.13 |
| | 50A | 0.0832 | 0.0832 | 0.0832 | 0.08320 | 0.08 |
| | 20A | 0.0666 | 0.0666 | 0.0666 | 0.06660 | 0.07 |
| | 10A | 0.0599 | 0.0533 | 0.0533 | 0.05550 | 0.06 |
| | 5A | 0.0533 | 0.0533 | 0.0533 | 0.05330 | 0.05 |
| | 2.5A | 0.0499 | 0.0499 | 0.0583 | 0.05270 | 0.05 |
| | 1A | 0.0399 | 0.0399 | 0.0466 | 0.04213 | 0.04 |
| | 0.5A | 0.0466 | 0.0433 | 0.0399 | 0.04326 | 0.04 |
| | 0.1A | 0.0413 | 0.0399 | 0.0399 | 0.04036 | 0.04 |

17 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0666 | 0.0444 | 0.0555 | 0.05550 | 0.06 |
| | 50A | 0.0333 | 0.0333 | 0.0333 | 0.03330 | 0.03 |
| | 20A | 0.0166 | 0.0249 | 0.0249 | 0.02213 | 0.02 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 5A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | 0.00830 | 0.01 |
| | 1A | 0.0066 | 0.0066 | 0.0133 | 0.00883 | 0.01 |
| | 0.5A | 0.0100 | 0.0100 | 0.0100 | 0.01000 | 0.01 |
| | 0.1A | 0.0106 | 0.0093 | 0.0060 | 0.00863 | 0.01 |
| 0.5L | 100A | 0.0499 | 0.0499 | 0.0499 | 0.04990 | 0.05 |
| | 50A | 0.0333 | 0.0166 | 0.0333 | 0.02773 | 0.03 |
| | 20A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 10A | -0.0133 | -0.0133 | -0.0200 | -0.0155 | -0.02 |
| | 5A | -0.0133 | -0.0200 | -0.0200 | -0.0177 | -0.02 |
| | 2.5A | -0.0166 | -0.0166 | -0.0166 | -0.0166 | -0.02 |
| | 1A | -0.0266 | -0.0200 | -0.0200 | -0.0222 | -0.02 |
| | 0.5A | -0.0266 | -0.0300 | -0.0266 | -0.0277 | -0.03 |
| | 0.1A | -0.0320 | -0.0353 | -0.0253 | -0.0308 | -0.03 |
| 0.5C | 100A | 0.1331 | 0.1497 | 0.1331 | 0.13863 | 0.14 |
| | 50A | 0.0832 | 0.0999 | 0.0832 | 0.08876 | 0.09 |
| | 20A | 0.0666 | 0.0666 | 0.0666 | 0.06660 | 0.07 |
| | 10A | 0.0599 | 0.0533 | 0.0533 | 0.05550 | 0.06 |
| | 5A | 0.0599 | 0.0533 | 0.0533 | 0.05550 | 0.06 |
| | 2.5A | 0.0499 | 0.0499 | 0.0583 | 0.05270 | 0.05 |
| | 1A | 0.0399 | 0.0399 | 0.0466 | 0.04213 | 0.04 |
| | 0.5A | 0.0433 | 0.0399 | 0.0399 | 0.04103 | 0.04 |
| | 0.1A | 0.0393 | 0.0433 | 0.0459 | 0.04283 | 0.04 |

18 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0444 | 0.0333 | 0.0444 | 0.04070 | 0.04 |
| | 50A | 0.0222 | 0.0222 | 0.0222 | 0.02220 | 0.02 |
| | 20A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 10A | 0.0066 | 0.0133 | 0.0066 | 0.00883 | 0.01 |
| | 5A | 0.0133 | 0.0066 | 0.0066 | 0.00883 | 0.01 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | 0.0027 | 0.00 |
| | 1A | 0.0066 | 0.0066 | 0.0066 | 0.00660 | 0.01 |
| | 0.5A | 0.0066 | 0.0100 | 0.0066 | 0.00773 | 0.01 |
| | 0.1A | 0.0060 | 0.0053 | 0.0046 | 0.00530 | 0.01 |
| 0.5L | 100A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 50A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 20A | -0.0111 | -0.0111 | 0.0000 | -0.0074 | -0.01 |
| | 10A | -0.0133 | -0.0266 | -0.0266 | -0.0221 | -0.02 |
| | 5A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 2.5A | -0.0250 | -0.0250 | -0.0166 | -0.0222 | -0.02 |
| | 1A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 0.5A | -0.0333 | -0.0333 | -0.0333 | -0.0333 | -0.03 |
| | 0.1A | -0.0366 | -0.0380 | -0.0353 | -0.0366 | -0.04 |
| 0.5C | 100A | 0.1331 | 0.1165 | 0.1165 | 0.12203 | 0.12 |
| | 50A | 0.0832 | 0.0832 | 0.0832 | 0.08320 | 0.08 |
| | 20A | 0.0666 | 0.0666 | 0.0666 | 0.06660 | 0.07 |
| | 10A | 0.0599 | 0.0599 | 0.0466 | 0.05546 | 0.06 |
| | 5A | 0.0533 | 0.0533 | 0.0533 | 0.05330 | 0.05 |
| | 2.5A | 0.0499 | 0.0499 | 0.0499 | 0.04990 | 0.05 |
| | 1A | 0.0399 | 0.0399 | 0.0399 | 0.03990 | 0.04 |
| | 0.5A | 0.0466 | 0.0433 | 0.0399 | 0.04326 | 0.04 |
| | 0.1A | 0.0426 | 0.0439 | 0.0426 | 0.04303 | 0.04 |

19 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0777 | 0.0888 | 0.0777 | 0.08140 | 0.08 |
| | 50A | 0.0333 | 0.0333 | 0.0333 | 0.03330 | 0.03 |
| | 20A | 0.0166 | 0.0249 | 0.0166 | 0.01936 | 0.02 |
| | 10A | 0.0133 | 0.0200 | 0.0133 | 0.01553 | 0.02 |
| | 5A | 0.0066 | 0.0133 | 0.0066 | 0.00883 | 0.01 |
| | 2.5A | 0.0166 | 0.0166 | 0.0083 | 0.01383 | 0.01 |
| | 1A | 0.0133 | 0.0133 | 0.0066 | 0.01106 | 0.01 |
| | 0.5A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 0.1A | 0.0106 | 0.0106 | 0.0106 | 0.01060 | 0.01 |
| 0.5L | 100A | 0.0832 | 0.0832 | 0.0666 | 0.07766 | 0.08 |
| | 50A | 0.0333 | 0.0333 | 0.0333 | 0.03330 | 0.03 |
| | 20A | 0.0000 | 0.0111 | 0.0000 | 0.0037 | 0.00 |
| | 10A | -0.0066 | -0.0066 | -0.0133 | -0.0088 | -0.01 |
| | 5A | -0.0133 | -0.0133 | -0.0133 | -0.0133 | -0.01 |
| | 2.5A | -0.0250 | -0.0250 | -0.0250 | -0.0250 | -0.02 |
| | 1A | -0.0266 | -0.0333 | -0.0266 | -0.0288 | -0.03 |
| | 0.5A | -0.0200 | -0.0233 | -0.0266 | -0.0233 | -0.02 |
| | 0.1A | -0.0240 | -0.0266 | -0.0286 | -0.0264 | -0.03 |
| 0.5C | 100A | 0.1663 | 0.1663 | 0.0999 | 0.14416 | 0.14 |
| | 50A | 0.0999 | 0.0832 | 0.0999 | 0.09433 | 0.09 |
| | 20A | 0.0666 | 0.0666 | 0.0666 | 0.06660 | 0.07 |
| | 10A | 0.0666 | 0.0666 | 0.0599 | 0.06436 | 0.06 |
| | 5A | 0.0466 | 0.0466 | 0.0533 | 0.04883 | 0.05 |
| | 2.5A | 0.0499 | 0.0416 | 0.0499 | 0.04713 | 0.05 |
| | 1A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 0.5A | 0.0433 | 0.0433 | 0.0433 | 0.04330 | 0.04 |
| | 0.1A | 0.0453 | 0.0479 | 0.0406 | 0.04460 | 0.04 |

19 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0444 | 0.0444 | 0.0444 | 0.04440 | 0.04 |
| | 50A | 0.0222 | 0.0111 | 0.0222 | 0.01850 | 0.02 |
| | 20A | 0.0083 | 0.0083 | 0.0083 | 0.00830 | 0.01 |
| | 10A | 0.0066 | 0.0066 | 0.0000 | 0.00440 | 0.00 |
| | 5A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 2.5A | 0.0000 | 0.0083 | 0.0000 | 0.0027 | 0.00 |
| | 1A | 0.0000 | 0.0066 | 0.0000 | 0.0022 | 0.00 |
| | 0.5A | 0.0000 | 0.0033 | 0.0033 | 0.0022 | 0.00 |
| | 0.1A | 0.0073 | 0.0066 | 0.0066 | -0.0068 | -0.01 |
| 0.5L | 100A | 0.0333 | 0.0333 | 0.0166 | 0.02773 | 0.03 |
| | 50A | 0.0000 | 0.0166 | 0.0000 | 0.0055 | 0.01 |
| | 20A | -0.0111 | -0.0111 | -0.0111 | -0.0111 | -0.01 |
| | 10A | -0.0200 | -0.0200 | -0.0266 | -0.0222 | -0.02 |
| | 5A | -0.0200 | -0.0266 | -0.0266 | -0.0244 | -0.02 |
| | 2.5A | -0.0333 | -0.0416 | -0.0416 | -0.0388 | -0.04 |
| | 1A | -0.0400 | -0.0400 | -0.0400 | -0.0400 | -0.04 |
| | 0.5A | -0.0300 | -0.0333 | -0.0366 | -0.0333 | -0.03 |
| | 0.1A | -0.0506 | -0.0493 | -0.0473 | -0.0490 | -0.05 |
| 0.5C | 100A | 0.1165 | 0.1165 | 0.0666 | 0.09986 | 0.10 |
| | 50A | 0.0666 | 0.0666 | 0.0666 | 0.06660 | 0.07 |
| | 20A | 0.0444 | 0.0444 | 0.0555 | 0.04810 | 0.05 |
| | 10A | 0.0466 | 0.0533 | 0.0466 | 0.04883 | 0.05 |
| | 5A | 0.0333 | 0.0333 | 0.0399 | 0.03550 | 0.04 |
| | 2.5A | 0.0333 | 0.0333 | 0.0333 | 0.03330 | 0.03 |
| | 1A | 0.0333 | 0.0333 | 0.0333 | 0.03330 | 0.03 |
| | 0.5A | 0.0299 | 0.0299 | 0.0299 | 0.02990 | 0.03 |
| | 0.1A | 0.0293 | 0.0279 | 0.0326 | 0.02993 | 0.03 |

20 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0444 | 0.0666 | 0.0444 | 0.05180 | 0.05 |
| | 50A | 0.0222 | 0.0333 | 0.0222 | 0.02590 | 0.03 |
| | 20A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 10A | 0.0133 | 0.0200 | 0.0133 | 0.01553 | 0.02 |
| | 5A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 2.5A | 0.0083 | 0.0166 | 0.0166 | 0.01383 | 0.01 |
| | 1A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 0.5A | 0.0066 | 0.0166 | 0.0133 | 0.01216 | 0.01 |
| | 0.1A | 0.0120 | 0.0113 | 0.0120 | 0.01176 | 0.01 |
| 0.5L | 100A | 0.0333 | 0.0333 | 0.0333 | 0.03330 | 0.03 |
| | 50A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 20A | -0.0111 | 0.0000 | 0.0000 | -0.0037 | 0.00 |
| | 10A | -0.0133 | -0.0133 | -0.0133 | -0.0133 | -0.01 |
| | 5A | -0.0200 | -0.0133 | -0.0200 | -0.0177 | -0.02 |
| | 2.5A | -0.0333 | -0.0250 | -0.0333 | -0.0305 | -0.03 |
| | 1A | -0.0266 | -0.0266 | -0.0333 | -0.0288 | -0.03 |
| | 0.5A | -0.0200 | -0.0233 | -0.0266 | -0.0233 | -0.02 |
| | 0.1A | -0.0246 | -0.0273 | -0.0326 | -0.0281 | -0.03 |
| 0.5C | 100A | 0.1165 | 0.1497 | 0.0499 | 0.10536 | 0.11 |
| | 50A | 0.0832 | 0.0832 | 0.0666 | 0.07766 | 0.08 |
| | 20A | 0.0666 | 0.0555 | 0.0555 | 0.05920 | 0.06 |
| | 10A | 0.0599 | 0.0599 | 0.0599 | 0.05990 | 0.06 |
| | 5A | 0.0466 | 0.0533 | 0.0533 | 0.05106 | 0.05 |
| | 2.5A | 0.0499 | 0.0499 | 0.0416 | 0.04713 | 0.05 |
| | 1A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 0.5A | 0.0466 | 0.0433 | 0.0433 | 0.04440 | 0.04 |
| | 0.1A | 0.0473 | 0.0453 | 0.0413 | 0.04463 | 0.04 |

21 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0444 | 0.0555 | 0.0444 | 0.04810 | 0.05 |
| | 50A | 0.0222 | 0.0222 | 0.0333 | 0.02590 | 0.03 |
| | 20A | 0.0083 | 0.0166 | 0.0166 | 0.01383 | 0.01 |
| | 10A | 0.0133 | 0.0133 | 0.0200 | 0.01553 | 0.02 |
| | 5A | 0.0066 | 0.0133 | 0.0066 | 0.00883 | 0.01 |
| | 2.5A | 0.0166 | 0.0166 | 0.0083 | 0.01383 | 0.01 |
| | 1A | 0.0066 | 0.0066 | 0.0133 | 0.00883 | 0.01 |
| | 0.5A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 0.1A | 0.0046 | 0.0046 | 0.0046 | 0.00460 | 0.00 |
| 0.5L | 100A | 0.0333 | 0.0333 | 0.0333 | 0.03330 | 0.03 |
| | 50A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 20A | 0.0000 | -0.0111 | 0.0000 | -0.0037 | 0.00 |
| | 10A | -0.0133 | -0.0133 | -0.0066 | -0.0110 | -0.01 |
| | 5A | -0.0133 | -0.0200 | -0.0133 | -0.0155 | -0.02 |
| | 2.5A | -0.0333 | -0.0250 | -0.0333 | -0.0305 | -0.03 |
| | 1A | -0.0266 | -0.0333 | -0.0333 | -0.0310 | -0.03 |
| | 0.5A | -0.0233 | -0.0233 | -0.0266 | -0.0244 | -0.02 |
| | 0.1A | -0.0360 | -0.0360 | -0.0353 | -0.0357 | -0.04 |
| 0.5C | 100A | 0.1165 | 0.1331 | 0.0499 | 0.09983 | 0.10 |
| | 50A | 0.0666 | 0.0666 | 0.0832 | 0.07213 | 0.07 |
| | 20A | 0.0555 | 0.0555 | 0.0555 | 0.05550 | 0.06 |
| | 10A | 0.0599 | 0.0599 | 0.0533 | 0.05770 | 0.06 |
| | 5A | 0.0399 | 0.0466 | 0.0533 | 0.04660 | 0.05 |
| | 2.5A | 0.0499 | 0.0416 | 0.0499 | 0.04713 | 0.05 |
| | 1A | 0.0466 | 0.0399 | 0.0466 | 0.04436 | 0.04 |
| | 0.5A | 0.0399 | 0.0433 | 0.0399 | 0.04103 | 0.04 |
| | 0.1A | 0.0419 | 0.0393 | 0.0406 | 0.04060 | 0.04 |

22 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0555 | 0.0555 | 0.0555 | 0.05550 | 0.06 |
| | 50A | 0.0222 | 0.0222 | 0.0333 | 0.02590 | 0.03 |
| | 20A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 5A | 0.0066 | 0.0066 | 0.0133 | 0.00883 | 0.01 |
| | 2.5A | 0.0166 | 0.0166 | 0.0083 | 0.01383 | 0.01 |
| | 1A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 0.5A | 0.0000 | 0.0133 | 0.0100 | 0.0077 | 0.01 |
| | 0.1A | 0.0113 | 0.0106 | 0.0106 | 0.01083 | 0.01 |
| 0.5L | 100A | 0.0333 | 0.0499 | 0.0333 | 0.03883 | 0.04 |
| | 50A | 0.0166 | 0.0166 | 0.0333 | 0.02216 | 0.02 |
| | 20A | 0.0000 | 0.0000 | -0.0111 | -0.0037 | 0.00 |
| | 10A | -0.0133 | -0.0133 | -0.0066 | -0.0110 | -0.01 |
| | 5A | -0.0133 | -0.0200 | -0.0133 | -0.0155 | -0.02 |
| | 2.5A | -0.0250 | -0.0333 | -0.0250 | -0.0277 | -0.03 |
| | 1A | -0.0266 | -0.0266 | -0.0333 | -0.0288 | -0.03 |
| | 0.5A | -0.0233 | -0.0200 | -0.0266 | -0.0233 | -0.02 |
| | 0.1A | -0.0246 | -0.0266 | -0.0346 | -0.0286 | -0.03 |
| 0.5C | 100A | 0.1331 | 0.1331 | 0.0666 | 0.11093 | 0.11 |
| | 50A | 0.0832 | 0.0666 | 0.0832 | 0.07766 | 0.08 |
| | 20A | 0.0555 | 0.0555 | 0.0666 | 0.05920 | 0.06 |
| | 10A | 0.0599 | 0.0599 | 0.0599 | 0.05990 | 0.06 |
| | 5A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 2.5A | 0.0499 | 0.0416 | 0.0416 | 0.04436 | 0.04 |
| | 1A | 0.0399 | 0.0466 | 0.0399 | 0.04213 | 0.04 |
| | 0.5A | 0.0433 | 0.0399 | 0.0399 | 0.04103 | 0.04 |
| | 0.1A | 0.0466 | 0.0446 | 0.0379 | 0.04303 | 0.04 |

23 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0333 | 0.0555 | 0.0333 | 0.04070 | 0.04 |
| | 50A | 0.0222 | 0.0222 | 0.0222 | 0.02220 | 0.02 |
| | 20A | 0.0166 | 0.0083 | 0.0166 | 0.01383 | 0.01 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 5A | 0.0066 | 0.0066 | 0.0066 | 0.00660 | 0.01 |
| | 2.5A | 0.0083 | 0.0166 | 0.0083 | 0.01106 | 0.01 |
| | 1A | 0.0066 | 0.0066 | 0.0133 | 0.00883 | 0.01 |
| | 0.5A | 0.0133 | 0.0133 | 0.0100 | 0.01220 | 0.01 |
| | 0.1A | 0.0053 | 0.0060 | 0.0066 | 0.00596 | 0.01 |
| 0.5L | 100A | 0.0000 | 0.0333 | 0.0166 | 0.0166 | 0.02 |
| | 50A | 0.0000 | 0.0166 | 0.0166 | 0.0110 | 0.01 |
| | 20A | -0.0111 | 0.0000 | -0.0111 | -0.0074 | -0.01 |
| | 10A | -0.0133 | -0.0200 | -0.0133 | -0.0155 | -0.02 |
| | 5A | -0.0200 | -0.0200 | -0.0200 | -0.0200 | -0.02 |
| | 2.5A | -0.0250 | -0.0333 | -0.0333 | -0.0305 | -0.03 |
| | 1A | -0.0333 | -0.0333 | -0.0400 | -0.0355 | -0.04 |
| | 0.5A | -0.0233 | -0.0300 | -0.0300 | -0.0277 | -0.03 |
| | 0.1A | -0.0346 | -0.0373 | -0.0366 | -0.0361 | -0.04 |
| 0.5C | 100A | 0.0999 | 0.1331 | 0.0499 | 0.09430 | 0.09 |
| | 50A | 0.0832 | 0.0499 | 0.0832 | 0.07210 | 0.07 |
| | 20A | 0.0444 | 0.0555 | 0.0555 | 0.05180 | 0.05 |
| | 10A | 0.0599 | 0.0533 | 0.0599 | 0.05770 | 0.06 |
| | 5A | 0.0399 | 0.0466 | 0.0466 | 0.04436 | 0.04 |
| | 2.5A | 0.0499 | 0.0416 | 0.0416 | 0.04436 | 0.04 |
| | 1A | 0.0399 | 0.0466 | 0.0466 | 0.04436 | 0.04 |
| | 0.5A | 0.0399 | 0.0433 | 0.0399 | 0.04103 | 0.04 |
| | 0.1A | 0.0446 | 0.0439 | 0.0393 | 0.04260 | 0.04 |

24 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0666 | 0.0555 | 0.0444 | 0.05550 | 0.06 |
| | 50A | 0.0111 | 0.0222 | 0.0222 | 0.0111 | 0.01 |
| | 20A | 0.0000 | 0.0249 | 0.0166 | 0.0138 | 0.01 |
| | 10A | 0.0200 | 0.0066 | 0.0200 | 0.01553 | 0.02 |
| | 5A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 2.5A | 0.0166 | 0.0083 | 0.0083 | 0.01106 | 0.01 |
| | 1A | 0.0133 | 0.0133 | 0.0333 | 0.01996 | 0.02 |
| | 0.5A | 0.0100 | 0.0133 | 0.0100 | 0.01110 | 0.01 |
| | 0.1A | 0.0106 | 0.0093 | 0.0093 | 0.00973 | 0.01 |
| 0.5L | 100A | 0.0333 | 0.0333 | 0.0499 | 0.03883 | 0.04 |
| | 50A | 0.0166 | 0.0166 | 0.0000 | 0.01106 | 0.01 |
| | 20A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 10A | -0.0200 | -0.0133 | -0.0200 | -0.0177 | -0.02 |
| | 5A | -0.0200 | -0.0133 | -0.0200 | -0.0177 | -0.02 |
| | 2.5A | -0.0333 | -0.0250 | -0.0333 | -0.0305 | -0.03 |
| | 1A | -0.0333 | -0.0333 | -0.0266 | -0.0310 | -0.03 |
| | 0.5A | -0.0333 | -0.0300 | -0.0266 | -0.0299 | -0.03 |
| | 0.1A | -0.0286 | -0.0286 | -0.0260 | -0.0277 | -0.03 |
| 0.5C | 100A | 0.0999 | 0.1165 | 0.1165 | 0.11096 | 0.11 |
| | 50A | 0.0832 | 0.0832 | 0.0832 | 0.08320 | 0.08 |
| | 20A | 0.0666 | 0.0555 | 0.0666 | 0.06290 | 0.06 |
| | 10A | 0.0666 | 0.0599 | 0.0666 | 0.06436 | 0.06 |
| | 5A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 2.5A | 0.0416 | 0.0416 | 0.0499 | 0.04436 | 0.04 |
| | 1A | 0.0466 | 0.0399 | 0.0466 | 0.04436 | 0.04 |
| | 0.5A | 0.0399 | 0.0466 | 0.0433 | 0.04326 | 0.04 |
| | 0.1A | 0.0399 | 0.0453 | 0.0453 | 0.04350 | 0.04 |

24 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0444 | 0.0333 | 0.0333 | 0.03700 | 0.04 |
| | 50A | 0.0222 | 0.0000 | 0.0111 | -0.0037 | 0.00 |
| | 20A | 0.0083 | 0.0083 | 0.0083 | 0.0027 | 0.00 |
| | 10A | 0.0066 | 0.0000 | 0.0066 | 0.00440 | 0.00 |
| | 5A | 0.0066 | 0.0000 | 0.0000 | -0.0022 | 0.00 |
| | 2.5A | 0.0083 | 0.0000 | 0.0000 | 0.00276 | 0.00 |
| | 1A | 0.0000 | 0.0266 | 0.0000 | 0.0088 | 0.01 |
| | 0.5A | 0.0033 | 0.0000 | 0.0000 | 0.00110 | 0.00 |
| | 0.1A | 0.0013 | 0.0026 | 0.0053 | -0.0030 | 0.00 |
| 0.5L | 100A | 0.0166 | 0.0000 | 0.0166 | 0.01106 | 0.01 |
| | 50A | -0.0166 | 0.0000 | -0.0166 | -0.0110 | -0.01 |
| | 20A | -0.0111 | -0.0111 | -0.0222 | -0.0148 | -0.01 |
| | 10A | -0.0266 | -0.0333 | -0.0266 | -0.0288 | -0.03 |
| | 5A | -0.0266 | -0.0266 | -0.0333 | -0.0288 | -0.03 |
| | 2.5A | -0.0416 | -0.0416 | -0.0416 | -0.0416 | -0.04 |
| | 1A | -0.0400 | -0.0466 | -0.0400 | -0.0422 | -0.04 |
| | 0.5A | -0.0433 | -0.0466 | -0.0400 | -0.0433 | -0.04 |
| | 0.1A | -0.0500 | -0.0500 | -0.0493 | -0.0497 | -0.05 |
| 0.5C | 100A | 0.0499 | 0.0999 | 0.0832 | 0.07766 | 0.08 |
| | 50A | 0.0666 | 0.0666 | 0.0666 | 0.06660 | 0.07 |
| | 20A | 0.0444 | 0.0444 | 0.0444 | 0.04440 | 0.04 |
| | 10A | 0.0533 | 0.0466 | 0.0533 | 0.05106 | 0.05 |
| | 5A | 0.0333 | 0.0333 | 0.0333 | 0.03330 | 0.03 |
| | 2.5A | 0.0333 | 0.0333 | 0.0333 | 0.03330 | 0.03 |
| | 1A | 0.0266 | 0.0333 | 0.0333 | 0.03106 | 0.03 |
| | 0.5A | 0.0266 | 0.0299 | 0.0333 | 0.02993 | 0.03 |
| | 0.1A | 0.0326 | 0.0333 | 0.0313 | 0.03240 | 0.03 |

25 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|----------|--------|
| 1.0 | 100A | 0.0666 | 0.0555 | 0.0555 | 0.05920 | 0.06 |
| | 50A | 0.0111 | 0.0222 | 0.0222 | 0.0111 | 0.01 |
| | 20A | 0.0000 | 0.0249 | 0.0249 | 0.0166 | 0.02 |
| | 10A | 0.0200 | 0.0133 | 0.0200 | 0.01776 | 0.02 |
| | 5A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 2.5A | 0.0166 | 0.0083 | 0.0083 | 0.01106 | 0.01 |
| | 1A | 0.0133 | 0.0333 | 0.0133 | 0.01996 | 0.02 |
| | 0.5A | 0.0100 | 0.0133 | 0.0100 | 0.01110 | 0.01 |
| | 0.1A | 0.0100 | 0.0073 | 0.0093 | 0.00886 | 0.01 |
| 0.5L | 100A | 0.0499 | 0.0333 | 0.0333 | 0.03883 | 0.04 |
| | 50A | 0.0000 | 0.0166 | 0.0000 | 0.0055 | 0.01 |
| | 20A | 0.0111 | 0.0000 | 0.0111 | -0.00000 | 0.00 |
| | 10A | -0.0200 | -0.0133 | -0.0200 | -0.0177 | -0.02 |
| | 5A | -0.0133 | -0.0200 | -0.0200 | -0.0177 | -0.02 |
| | 2.5A | -0.0333 | -0.0250 | -0.0333 | -0.0305 | -0.03 |
| | 1A | -0.0333 | -0.0333 | -0.0333 | -0.0333 | -0.03 |
| | 0.5A | -0.0300 | -0.0300 | -0.0300 | -0.0300 | -0.03 |
| | 0.1A | -0.0286 | -0.0273 | -0.0286 | -0.0281 | -0.03 |
| 0.5C | 100A | 0.0999 | 0.1165 | 0.1165 | 0.11096 | 0.11 |
| | 50A | 0.0832 | 0.0832 | 0.0832 | 0.08320 | 0.08 |
| | 20A | 0.0666 | 0.0555 | 0.0666 | 0.06290 | 0.06 |
| | 10A | 0.0666 | 0.0599 | 0.0666 | 0.06436 | 0.06 |
| | 5A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 2.5A | 0.0499 | 0.0416 | 0.0499 | 0.04713 | 0.05 |
| | 1A | 0.0466 | 0.0399 | 0.0466 | 0.04436 | 0.04 |
| | 0.5A | 0.0466 | 0.0433 | 0.0466 | 0.04550 | 0.05 |
| | 0.1A | 0.0426 | 0.0433 | 0.0393 | 0.04173 | 0.04 |

26 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0555 | 0.0333 | 0.0333 | 0.04070 | 0.04 |
| | 50A | 0.0111 | 0.0111 | 0.0111 | 0.0037 | 0.00 |
| | 20A | 0.0083 | 0.0083 | 0.0166 | 0.01106 | 0.01 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 5A | 0.0066 | 0.0066 | 0.0133 | 0.00883 | 0.01 |
| | 2.5A | 0.0166 | 0.0083 | 0.0083 | 0.01106 | 0.01 |
| | 1A | 0.0133 | 0.0133 | 0.0266 | 0.01773 | 0.02 |
| | 0.5A | 0.0100 | 0.0133 | 0.0100 | 0.01110 | 0.01 |
| | 0.1A | 0.0080 | 0.0073 | 0.0060 | 0.00710 | 0.01 |
| 0.5L | 100A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 50A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 20A | 0.0000 | -0.0111 | 0.0000 | -0.0037 | 0.00 |
| | 10A | -0.0200 | -0.0266 | -0.0200 | -0.0222 | -0.02 |
| | 5A | -0.0200 | -0.0200 | -0.0200 | -0.0200 | -0.02 |
| | 2.5A | -0.0333 | -0.0333 | -0.0333 | -0.0333 | -0.03 |
| | 1A | -0.0333 | -0.0333 | -0.0333 | -0.0333 | -0.03 |
| | 0.5A | -0.0366 | -0.0333 | -0.0300 | -0.0333 | -0.03 |
| | 0.1A | -0.0360 | -0.0400 | -0.0346 | -0.0368 | -0.04 |
| 0.5C | 100A | 0.0499 | 0.0999 | 0.0832 | 0.07766 | 0.08 |
| | 50A | 0.0666 | 0.0832 | 0.0666 | 0.07213 | 0.07 |
| | 20A | 0.0555 | 0.0444 | 0.0555 | 0.05180 | 0.05 |
| | 10A | 0.0533 | 0.0599 | 0.0599 | 0.05770 | 0.06 |
| | 5A | 0.0399 | 0.0466 | 0.0399 | 0.04213 | 0.04 |
| | 2.5A | 0.0416 | 0.0416 | 0.0416 | 0.04160 | 0.04 |
| | 1A | 0.0399 | 0.0399 | 0.0399 | 0.03990 | 0.04 |
| | 0.5A | 0.0399 | 0.0399 | 0.0399 | 0.03990 | 0.04 |
| | 0.1A | 0.0373 | 0.0419 | 0.0413 | 0.04016 | 0.04 |

27 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0555 | 0.0333 | 0.0444 | 0.04440 | 0.04 |
| | 50A | 0.0111 | 0.0111 | 0.0111 | 0.0037 | 0.00 |
| | 20A | 0.0000 | 0.0166 | 0.0249 | 0.0138 | 0.01 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 5A | 0.0066 | 0.0066 | 0.0133 | 0.00883 | 0.01 |
| | 2.5A | 0.0166 | 0.0083 | 0.0083 | 0.01106 | 0.01 |
| | 1A | 0.0133 | 0.0266 | 0.0133 | 0.01773 | 0.02 |
| | 0.5A | 0.0100 | 0.0100 | 0.0100 | 0.01000 | 0.01 |
| | 0.1A | 0.0126 | 0.0053 | 0.0066 | 0.00816 | 0.01 |
| 0.5L | 100A | 0.0166 | 0.0166 | 0.0333 | 0.02216 | 0.02 |
| | 50A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 20A | 0.0000 | 0.0000 | -0.0111 | -0.0037 | 0.00 |
| | 10A | -0.0200 | -0.0200 | -0.0200 | -0.0200 | -0.02 |
| | 5A | -0.0200 | -0.0133 | -0.0266 | -0.0199 | -0.02 |
| | 2.5A | -0.0333 | -0.0250 | -0.0333 | -0.0305 | -0.03 |
| | 1A | -0.0266 | -0.0333 | -0.0333 | -0.0310 | -0.03 |
| | 0.5A | -0.0333 | -0.0266 | -0.0300 | -0.0299 | -0.03 |
| | 0.1A | -0.0326 | -0.0306 | -0.0266 | -0.0299 | -0.03 |
| 0.5C | 100A | 0.0666 | 0.0999 | 0.0999 | 0.08880 | 0.09 |
| | 50A | 0.0666 | 0.0666 | 0.0832 | 0.07213 | 0.07 |
| | 20A | 0.0444 | 0.0555 | 0.0555 | 0.05180 | 0.05 |
| | 10A | 0.0599 | 0.0599 | 0.0533 | 0.05770 | 0.06 |
| | 5A | 0.0399 | 0.0399 | 0.0466 | 0.04213 | 0.04 |
| | 2.5A | 0.0416 | 0.0416 | 0.0416 | 0.04160 | 0.04 |
| | 1A | 0.0399 | 0.0399 | 0.0399 | 0.03990 | 0.04 |
| | 0.5A | 0.0433 | 0.0399 | 0.0433 | 0.04216 | 0.04 |
| | 0.1A | 0.0366 | 0.0433 | 0.0393 | 0.03973 | 0.04 |

28 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0555 | 0.0333 | 0.0444 | 0.04440 | 0.04 |
| | 50A | 0.0111 | 0.0111 | 0.0222 | 0.0074 | 0.01 |
| | 20A | 0.0000 | 0.0166 | 0.0166 | 0.0110 | 0.01 |
| | 10A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 5A | 0.0066 | 0.0066 | 0.0066 | 0.00660 | 0.01 |
| | 2.5A | 0.0166 | 0.0083 | 0.0083 | 0.01106 | 0.01 |
| | 1A | 0.0066 | 0.0333 | 0.0133 | 0.01773 | 0.02 |
| | 0.5A | 0.0100 | 0.0100 | 0.0100 | 0.01000 | 0.01 |
| | 0.1A | 0.0086 | 0.0060 | 0.0060 | 0.00686 | 0.01 |
| 0.5L | 100A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 50A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 20A | 0.0000 | -0.0111 | -0.0111 | -0.0074 | -0.01 |
| | 10A | -0.0266 | -0.0266 | -0.0200 | -0.0244 | -0.02 |
| | 5A | -0.0200 | -0.0200 | -0.0200 | -0.0200 | -0.02 |
| | 2.5A | -0.0333 | -0.0333 | -0.0333 | -0.0333 | -0.03 |
| | 1A | -0.0400 | -0.0333 | -0.0333 | -0.0355 | -0.04 |
| | 0.5A | -0.0333 | -0.0366 | -0.0333 | -0.0344 | -0.03 |
| | 0.1A | -0.0380 | -0.0386 | -0.0353 | -0.0373 | -0.04 |
| 0.5C | 100A | 0.0666 | 0.0999 | 0.0832 | 0.08323 | 0.08 |
| | 50A | 0.0666 | 0.0666 | 0.0832 | 0.07213 | 0.07 |
| | 20A | 0.0555 | 0.0555 | 0.0555 | 0.05550 | 0.06 |
| | 10A | 0.0599 | 0.0599 | 0.0599 | 0.05990 | 0.06 |
| | 5A | 0.0466 | 0.0399 | 0.0466 | 0.04436 | 0.04 |
| | 2.5A | 0.0416 | 0.0499 | 0.0416 | 0.04436 | 0.04 |
| | 1A | 0.0399 | 0.0399 | 0.0399 | 0.03990 | 0.04 |
| | 0.5A | 0.0399 | 0.0433 | 0.0399 | 0.04103 | 0.04 |
| | 0.1A | 0.0379 | 0.0453 | 0.0433 | 0.04216 | 0.04 |

29 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0777 | 0.0555 | 0.0555 | 0.06290 | 0.06 |
| | 50A | 0.0222 | 0.0333 | 0.0333 | 0.02960 | 0.03 |
| | 20A | 0.0166 | 0.0166 | 0.0249 | 0.01936 | 0.02 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 5A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | 0.00830 | 0.01 |
| | 1A | 0.0133 | 0.0133 | 0.0066 | 0.01106 | 0.01 |
| | 0.5A | 0.0133 | 0.0100 | 0.0100 | 0.01110 | 0.01 |
| | 0.1A | 0.0086 | 0.0100 | 0.0113 | 0.00996 | 0.01 |
| 0.5L | 100A | 0.0621 | 0.0533 | 0.0755 | 0.06363 | 0.06 |
| | 50A | 0.0399 | 0.0222 | 0.0133 | 0.02513 | 0.03 |
| | 20A | -0.0111 | 0.0000 | -0.0111 | -0.0074 | -0.01 |
| | 10A | -0.0066 | -0.0133 | -0.0066 | -0.0088 | -0.01 |
| | 5A | -0.0200 | -0.0200 | -0.0200 | -0.0200 | -0.02 |
| | 2.5A | -0.0166 | -0.0250 | -0.0166 | -0.0194 | -0.02 |
| | 1A | -0.0266 | -0.0333 | -0.0266 | -0.0288 | -0.03 |
| | 0.5A | -0.0266 | -0.0233 | -0.0233 | -0.0244 | -0.02 |
| | 0.1A | -0.0306 | -0.0300 | -0.0373 | -0.0326 | -0.03 |
| 0.5C | 100A | 0.1464 | 0.1065 | 0.1464 | 0.13310 | 0.13 |
| | 50A | 0.0799 | 0.0843 | 0.0799 | 0.08136 | 0.08 |
| | 20A | 0.0555 | 0.0666 | 0.0555 | 0.05920 | 0.06 |
| | 10A | 0.0666 | 0.0666 | 0.0599 | 0.06436 | 0.06 |
| | 5A | 0.0533 | 0.0533 | 0.0599 | 0.05550 | 0.06 |
| | 2.5A | 0.0583 | 0.0499 | 0.0499 | 0.05270 | 0.05 |
| | 1A | 0.0466 | 0.0399 | 0.0466 | 0.04436 | 0.04 |
| | 0.5A | 0.0466 | 0.0466 | 0.0433 | 0.04550 | 0.05 |
| | 0.1A | 0.0446 | 0.0393 | 0.0399 | 0.04126 | 0.04 |

30 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|----------|--------|
| 1.0 | 100A | 0.0444 | 0.0444 | 0.0444 | 0.04440 | 0.04 |
| | 50A | 0.0111 | 0.0111 | 0.0222 | 0.01480 | 0.01 |
| | 20A | 0.0083 | 0.0000 | 0.0083 | 0.00553 | 0.01 |
| | 10A | 0.0000 | 0.0066 | 0.0000 | 0.0022 | 0.00 |
| | 5A | 0.0000 | 0.0000 | 0.0066 | -0.0022 | 0.00 |
| | 2.5A | 0.0000 | 0.0083 | 0.0000 | -0.0027 | 0.00 |
| | 1A | 0.0000 | 0.0000 | 0.0066 | 0.0022 | 0.00 |
| | 0.5A | 0.0033 | 0.0000 | 0.0033 | -0.00000 | 0.00 |
| | 0.1A | 0.0040 | 0.0060 | 0.0073 | -0.0057 | -0.01 |
| 0.5L | 100A | 0.0311 | 0.0311 | 0.0444 | 0.03553 | 0.04 |
| | 50A | 0.0266 | 0.0000 | -0.0044 | 0.00740 | 0.01 |
| | 20A | -0.0222 | -0.0111 | -0.0222 | -0.0185 | -0.02 |
| | 10A | -0.0200 | -0.0200 | -0.0266 | -0.0222 | -0.02 |
| | 5A | -0.0266 | -0.0266 | -0.0333 | -0.0288 | -0.03 |
| | 2.5A | -0.0333 | -0.0250 | -0.0333 | -0.0305 | -0.03 |
| | 1A | -0.0333 | -0.0400 | -0.0400 | -0.0377 | -0.04 |
| | 0.5A | -0.0400 | -0.0333 | -0.0333 | -0.0355 | -0.04 |
| | 0.1A | -0.0426 | -0.0567 | -0.0506 | -0.0499 | -0.05 |
| 0.5C | 100A | 0.1198 | 0.0799 | 0.1331 | 0.11093 | 0.11 |
| | 50A | 0.0577 | 0.0577 | 0.0621 | 0.05916 | 0.06 |
| | 20A | 0.0444 | 0.0444 | 0.0444 | 0.04440 | 0.04 |
| | 10A | 0.0533 | 0.0466 | 0.0533 | 0.05106 | 0.05 |
| | 5A | 0.0399 | 0.0466 | 0.0399 | 0.04213 | 0.04 |
| | 2.5A | 0.0416 | 0.0333 | 0.0416 | 0.03883 | 0.04 |
| | 1A | 0.0333 | 0.0333 | 0.0333 | 0.03330 | 0.03 |
| | 0.5A | 0.0333 | 0.0299 | 0.0299 | 0.03103 | 0.03 |
| | 0.1A | 0.0313 | 0.0359 | 0.0359 | 0.03436 | 0.03 |

31 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0666 | 0.0888 | 0.0666 | 0.07400 | 0.07 |
| | 50A | 0.0333 | 0.0333 | 0.0333 | 0.03330 | 0.03 |
| | 20A | 0.0249 | 0.0166 | 0.0166 | 0.01936 | 0.02 |
| | 10A | 0.0200 | 0.0133 | 0.0133 | 0.01553 | 0.02 |
| | 5A | 0.0066 | 0.0133 | 0.0066 | 0.00883 | 0.01 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | 0.00830 | 0.01 |
| | 1A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 0.5A | 0.0100 | 0.0100 | 0.0100 | 0.01000 | 0.01 |
| | 0.1A | 0.0006 | 0.0093 | 0.0113 | 0.00706 | 0.01 |
| 0.5L | 100A | 0.0755 | 0.0755 | 0.0888 | 0.07993 | 0.08 |
| | 50A | 0.0444 | 0.0266 | 0.0222 | 0.03106 | 0.03 |
| | 20A | 0.0000 | -0.0111 | 0.0000 | -0.0037 | 0.00 |
| | 10A | -0.0066 | -0.0133 | -0.0066 | -0.0088 | -0.01 |
| | 5A | -0.0200 | -0.0200 | -0.0200 | -0.0200 | -0.02 |
| | 2.5A | -0.0250 | -0.0166 | -0.0166 | -0.0194 | -0.02 |
| | 1A | -0.0266 | -0.0266 | -0.0333 | -0.0288 | -0.03 |
| | 0.5A | -0.0266 | -0.0233 | -0.0233 | -0.0244 | -0.02 |
| | 0.1A | -0.0426 | -0.0326 | -0.0266 | -0.0339 | -0.03 |
| 0.5C | 100A | 0.1597 | 0.1331 | 0.1597 | 0.15083 | 0.15 |
| | 50A | 0.0843 | 0.0888 | 0.0888 | 0.08730 | 0.09 |
| | 20A | 0.0666 | 0.0555 | 0.0666 | 0.06290 | 0.06 |
| | 10A | 0.0666 | 0.0599 | 0.0666 | 0.06436 | 0.06 |
| | 5A | 0.0533 | 0.0599 | 0.0533 | 0.05550 | 0.06 |
| | 2.5A | 0.0499 | 0.0499 | 0.0499 | 0.04990 | 0.05 |
| | 1A | 0.0466 | 0.0399 | 0.0466 | 0.04436 | 0.04 |
| | 0.5A | 0.0466 | 0.0433 | 0.0433 | 0.04440 | 0.04 |
| | 0.1A | 0.0359 | 0.0353 | 0.0373 | 0.03616 | 0.04 |

32 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0444 | 0.0555 | 0.0444 | 0.04810 | 0.05 |
| | 50A | 0.0222 | 0.0222 | 0.0222 | 0.02220 | 0.02 |
| | 20A | 0.0166 | 0.0083 | 0.0166 | 0.01383 | 0.01 |
| | 10A | 0.0066 | 0.0133 | 0.0133 | 0.01106 | 0.01 |
| | 5A | 0.0066 | 0.0066 | 0.0133 | 0.00883 | 0.01 |
| | 2.5A | 0.0083 | 0.0083 | 0.0000 | 0.00553 | 0.01 |
| | 1A | 0.0066 | 0.0133 | 0.0133 | 0.01106 | 0.01 |
| | 0.5A | 0.0100 | 0.0100 | 0.0066 | 0.00886 | 0.01 |
| | 0.1A | 0.0046 | 0.0040 | 0.0046 | 0.00440 | 0.00 |
| 0.5L | 100A | 0.0266 | 0.0266 | 0.0399 | 0.03103 | 0.03 |
| | 50A | 0.0266 | 0.0044 | 0.0000 | 0.01033 | 0.01 |
| | 20A | -0.0111 | -0.0111 | -0.0111 | -0.0111 | -0.01 |
| | 10A | -0.0133 | -0.0133 | -0.0133 | -0.0133 | -0.01 |
| | 5A | -0.0200 | -0.0200 | -0.0266 | -0.0222 | -0.02 |
| | 2.5A | -0.0166 | -0.0250 | -0.0166 | -0.0194 | -0.02 |
| | 1A | -0.0266 | -0.0266 | -0.0333 | -0.0288 | -0.03 |
| | 0.5A | -0.0300 | -0.0233 | -0.0266 | -0.0266 | -0.03 |
| | 0.1A | -0.0380 | -0.0420 | -0.0400 | -0.0400 | -0.04 |
| 0.5C | 100A | 0.1065 | 0.0932 | 0.1065 | 0.10206 | 0.10 |
| | 50A | 0.0621 | 0.0666 | 0.0621 | 0.06360 | 0.06 |
| | 20A | 0.0444 | 0.0555 | 0.0555 | 0.05180 | 0.05 |
| | 10A | 0.0599 | 0.0533 | 0.0599 | 0.05770 | 0.06 |
| | 5A | 0.0533 | 0.0533 | 0.0533 | 0.05330 | 0.05 |
| | 2.5A | 0.0499 | 0.0499 | 0.0499 | 0.04990 | 0.05 |
| | 1A | 0.0399 | 0.0466 | 0.0399 | 0.04213 | 0.04 |
| | 0.5A | 0.0433 | 0.0399 | 0.0399 | 0.04103 | 0.04 |
| | 0.1A | 0.0426 | 0.0426 | 0.0433 | 0.04283 | 0.04 |

33 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0555 | 0.0777 | 0.0666 | 0.06660 | 0.07 |
| | 50A | 0.0222 | 0.0333 | 0.0222 | 0.02590 | 0.03 |
| | 20A | 0.0083 | 0.0166 | 0.0166 | 0.01383 | 0.01 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 5A | 0.0066 | 0.0133 | 0.0066 | 0.00883 | 0.01 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | 0.00830 | 0.01 |
| | 1A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 0.5A | 0.0100 | 0.0100 | 0.0100 | 0.0033 | 0.00 |
| | 0.1A | 0.0073 | 0.0106 | 0.0100 | 0.00930 | 0.01 |
| 0.5L | 100A | 0.0488 | 0.0444 | 0.0577 | 0.05030 | 0.05 |
| | 50A | 0.0355 | 0.0088 | 0.0088 | 0.01770 | 0.02 |
| | 20A | -0.0111 | -0.0111 | -0.0111 | -0.0111 | -0.01 |
| | 10A | -0.0133 | -0.0133 | -0.0133 | -0.0133 | -0.01 |
| | 5A | -0.0200 | -0.0133 | -0.0266 | -0.0199 | -0.02 |
| | 2.5A | -0.0166 | -0.0250 | -0.0166 | -0.0194 | -0.02 |
| | 1A | -0.0266 | -0.0266 | -0.0333 | -0.0288 | -0.03 |
| | 0.5A | -0.0300 | -0.0233 | -0.0233 | -0.0255 | -0.03 |
| | 0.1A | -0.0426 | -0.0266 | -0.0373 | -0.0355 | -0.04 |
| 0.5C | 100A | 0.1331 | 0.1065 | 0.1331 | 0.12423 | 0.12 |
| | 50A | 0.0710 | 0.0755 | 0.0710 | 0.07250 | 0.07 |
| | 20A | 0.0555 | 0.0555 | 0.0555 | 0.05550 | 0.06 |
| | 10A | 0.0599 | 0.0599 | 0.0599 | 0.05990 | 0.06 |
| | 5A | 0.0533 | 0.0533 | 0.0533 | 0.05330 | 0.05 |
| | 2.5A | 0.0499 | 0.0416 | 0.0499 | 0.04713 | 0.05 |
| | 1A | 0.0399 | 0.0399 | 0.0399 | 0.03990 | 0.04 |
| | 0.5A | 0.0466 | 0.0466 | 0.0399 | 0.04436 | 0.04 |
| | 0.1A | 0.0319 | 0.0319 | 0.0346 | 0.03280 | 0.03 |

34 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0333 | 0.0555 | 0.0333 | 0.04070 | 0.04 |
| | 50A | 0.0111 | 0.0222 | 0.0222 | 0.01850 | 0.02 |
| | 20A | 0.0083 | 0.0166 | 0.0083 | 0.01106 | 0.01 |
| | 10A | 0.0066 | 0.0133 | 0.0066 | 0.00883 | 0.01 |
| | 5A | 0.0133 | 0.0000 | 0.0066 | 0.00663 | 0.01 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | 0.00830 | 0.01 |
| | 1A | 0.0066 | 0.0066 | 0.0133 | 0.00883 | 0.01 |
| | 0.5A | 0.0100 | 0.0100 | 0.0100 | 0.0033 | 0.00 |
| | 0.1A | 0.0046 | 0.0053 | 0.0053 | 0.00506 | 0.01 |
| 0.5L | 100A | 0.0222 | 0.0222 | 0.0355 | 0.02663 | 0.03 |
| | 50A | 0.0222 | 0.0000 | -0.0044 | 0.00593 | 0.01 |
| | 20A | -0.0111 | -0.0222 | -0.0111 | -0.0148 | -0.01 |
| | 10A | -0.0133 | -0.0200 | -0.0133 | -0.0155 | -0.02 |
| | 5A | -0.0200 | -0.0200 | -0.0266 | -0.0222 | -0.02 |
| | 2.5A | -0.0250 | -0.0250 | -0.0250 | -0.0250 | -0.02 |
| | 1A | -0.0333 | -0.0266 | -0.0333 | -0.0310 | -0.03 |
| | 0.5A | -0.0333 | -0.0266 | -0.0266 | -0.0288 | -0.03 |
| | 0.1A | -0.0393 | -0.0386 | -0.0400 | -0.0393 | -0.04 |
| 0.5C | 100A | 0.1065 | 0.0799 | 0.1065 | 0.09763 | 0.10 |
| | 50A | 0.0577 | 0.0621 | 0.0621 | 0.06063 | 0.06 |
| | 20A | 0.0555 | 0.0444 | 0.0555 | 0.05180 | 0.05 |
| | 10A | 0.0533 | 0.0599 | 0.0599 | 0.05770 | 0.06 |
| | 5A | 0.0466 | 0.0533 | 0.0533 | 0.05106 | 0.05 |
| | 2.5A | 0.0499 | 0.0416 | 0.0499 | 0.04713 | 0.05 |
| | 1A | 0.0399 | 0.0399 | 0.0466 | 0.04213 | 0.04 |
| | 0.5A | 0.0466 | 0.0433 | 0.0433 | 0.04440 | 0.04 |
| | 0.1A | 0.0399 | 0.0413 | 0.0419 | 0.04103 | 0.04 |

35 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0605 | 0.0545 | 0.0545 | 0.05650 | 0.06 |
| | 50A | 0.0333 | 0.0266 | 0.0333 | 0.03106 | 0.03 |
| | 20A | 0.0249 | 0.0249 | 0.0249 | 0.02490 | 0.02 |
| | 10A | 0.0200 | 0.0133 | 0.0133 | 0.01553 | 0.02 |
| | 5A | 0.0133 | 0.0200 | 0.0133 | 0.01553 | 0.02 |
| | 2.5A | 0.0166 | 0.0083 | 0.0083 | 0.01106 | 0.01 |
| | 1A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 0.5A | 0.0100 | 0.0100 | 0.0100 | 0.01000 | 0.01 |
| | 0.1A | 0.0080 | 0.0086 | 0.0086 | 0.00840 | 0.01 |
| 0.5L | 100A | 0.0512 | 0.0512 | 0.0615 | 0.05463 | 0.05 |
| | 50A | 0.0190 | 0.0190 | 0.0190 | 0.01900 | 0.02 |
| | 20A | 0.0111 | 0.0000 | 0.0111 | 0.00740 | 0.01 |
| | 10A | -0.0200 | -0.0133 | -0.0133 | -0.0155 | -0.02 |
| | 5A | -0.0266 | -0.0200 | -0.0333 | -0.0266 | -0.03 |
| | 2.5A | -0.0166 | -0.0250 | -0.0166 | -0.0194 | -0.02 |
| | 1A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 0.5A | -0.0233 | -0.0233 | -0.0233 | -0.0233 | -0.02 |
| | 0.1A | -0.0326 | -0.0333 | -0.0346 | -0.0335 | -0.03 |
| 0.5C | 100A | 0.1433 | 0.1433 | 0.1433 | 0.14330 | 0.14 |
| | 50A | 0.0856 | 0.0856 | 0.0856 | 0.08560 | 0.09 |
| | 20A | 0.0666 | 0.0777 | 0.0666 | 0.07030 | 0.07 |
| | 10A | 0.0466 | 0.0533 | 0.0533 | 0.05106 | 0.05 |
| | 5A | 0.0533 | 0.0599 | 0.0599 | 0.05770 | 0.06 |
| | 2.5A | 0.0416 | 0.0499 | 0.0499 | 0.04713 | 0.05 |
| | 1A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 0.5A | 0.0533 | 0.0499 | 0.0499 | 0.05103 | 0.05 |
| | 0.1A | 0.0526 | 0.0406 | 0.0379 | 0.04370 | 0.04 |

36 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0605 | 0.0666 | 0.0605 | 0.06253 | 0.06 |
| | 50A | 0.0266 | 0.0266 | 0.0200 | 0.02440 | 0.02 |
| | 20A | 0.0249 | 0.0166 | 0.0166 | 0.01936 | 0.02 |
| | 10A | 0.0066 | 0.0066 | 0.0066 | 0.00660 | 0.01 |
| | 5A | 0.0066 | 0.0066 | 0.0066 | 0.00660 | 0.01 |
| | 2.5A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 1A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 0.5A | 0.0000 | 0.0033 | 0.0000 | -0.0011 | 0.00 |
| | 0.1A | 0.0246 | 0.0020 | 0.0033 | 0.00643 | 0.01 |
| 0.5L | 100A | 0.0819 | 0.0717 | 0.0819 | 0.07850 | 0.08 |
| | 50A | 0.0190 | 0.0190 | 0.0190 | 0.01900 | 0.02 |
| | 20A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 10A | -0.0266 | -0.0200 | -0.0200 | -0.0222 | -0.02 |
| | 5A | -0.0333 | -0.0333 | -0.0333 | -0.0333 | -0.03 |
| | 2.5A | -0.0333 | -0.0250 | -0.0250 | -0.0277 | -0.03 |
| | 1A | -0.0400 | -0.0333 | -0.0400 | -0.0377 | -0.04 |
| | 0.5A | -0.0333 | -0.0333 | -0.0300 | -0.0322 | -0.03 |
| | 0.1A | -0.0273 | -0.0420 | -0.0433 | -0.0375 | -0.04 |
| 0.5C | 100A | 0.1638 | 0.1638 | 0.1638 | 0.16380 | 0.16 |
| | 50A | 0.0856 | 0.0761 | 0.0856 | 0.08243 | 0.08 |
| | 20A | 0.0555 | 0.0666 | 0.0666 | 0.06290 | 0.06 |
| | 10A | 0.0399 | 0.0466 | 0.0399 | 0.04213 | 0.04 |
| | 5A | 0.0466 | 0.0533 | 0.0399 | 0.04660 | 0.05 |
| | 2.5A | 0.0416 | 0.0333 | 0.0499 | 0.04160 | 0.04 |
| | 1A | 0.0333 | 0.0333 | 0.0333 | 0.03330 | 0.03 |
| | 0.5A | 0.0399 | 0.0399 | 0.0366 | 0.03880 | 0.04 |
| | 0.1A | 0.0613 | 0.0353 | 0.0353 | 0.04396 | 0.04 |

37 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0605 | 0.0605 | 0.0545 | 0.05850 | 0.06 |
| | 50A | 0.0266 | 0.0333 | 0.0266 | 0.02883 | 0.03 |
| | 20A | 0.0249 | 0.0249 | 0.0249 | 0.02490 | 0.02 |
| | 10A | 0.0200 | 0.0200 | 0.0133 | 0.01776 | 0.02 |
| | 5A | 0.0133 | 0.0133 | 0.0200 | 0.01553 | 0.02 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | 0.00830 | 0.01 |
| | 1A | 0.0133 | 0.0133 | 0.0066 | 0.01106 | 0.01 |
| | 0.5A | 0.0100 | 0.0100 | 0.0100 | 0.01000 | 0.01 |
| | 0.1A | 0.0046 | 0.0066 | 0.0073 | 0.00616 | 0.01 |
| 0.5L | 100A | 0.0615 | 0.0512 | 0.0615 | 0.05806 | 0.06 |
| | 50A | 0.0190 | 0.0190 | 0.0095 | 0.01583 | 0.02 |
| | 20A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 10A | -0.0266 | -0.0133 | -0.0133 | -0.0177 | -0.02 |
| | 5A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 2.5A | -0.0250 | -0.0166 | -0.0250 | -0.0222 | -0.02 |
| | 1A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 0.5A | -0.0233 | -0.0233 | -0.0233 | -0.0233 | -0.02 |
| | 0.1A | -0.0360 | -0.0360 | -0.0380 | -0.0366 | -0.04 |
| 0.5C | 100A | 0.1433 | 0.1433 | 0.1433 | 0.14330 | 0.14 |
| | 50A | 0.0761 | 0.0856 | 0.0856 | 0.08243 | 0.08 |
| | 20A | 0.0666 | 0.0666 | 0.0777 | 0.07030 | 0.07 |
| | 10A | 0.0533 | 0.0533 | 0.0533 | 0.05330 | 0.05 |
| | 5A | 0.0599 | 0.0599 | 0.0599 | 0.05990 | 0.06 |
| | 2.5A | 0.0416 | 0.0499 | 0.0499 | 0.04713 | 0.05 |
| | 1A | 0.0399 | 0.0466 | 0.0466 | 0.04436 | 0.04 |
| | 0.5A | 0.0499 | 0.0533 | 0.0499 | 0.05103 | 0.05 |
| | 0.1A | 0.0533 | 0.0379 | 0.0353 | 0.04216 | 0.04 |

38 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0484 | 0.0484 | 0.0424 | 0.04640 | 0.05 |
| | 50A | 0.0266 | 0.0200 | 0.0200 | 0.02220 | 0.02 |
| | 20A | 0.0249 | 0.0249 | 0.0166 | 0.02213 | 0.02 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 5A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 2.5A | 0.0166 | 0.0083 | 0.0000 | 0.00830 | 0.01 |
| | 1A | 0.0133 | 0.0133 | 0.0066 | 0.01106 | 0.01 |
| | 0.5A | 0.0100 | 0.0066 | 0.0100 | 0.00886 | 0.01 |
| | 0.1A | 0.0060 | 0.0066 | 0.0053 | 0.00596 | 0.01 |
| 0.5L | 100A | 0.0410 | 0.0307 | 0.0410 | 0.03756 | 0.04 |
| | 50A | 0.0095 | 0.0000 | 0.0095 | 0.00633 | 0.01 |
| | 20A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 10A | -0.0266 | -0.0200 | -0.0133 | -0.0199 | -0.02 |
| | 5A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 2.5A | -0.0166 | -0.0250 | -0.0166 | -0.0194 | -0.02 |
| | 1A | -0.0266 | -0.0333 | -0.0266 | -0.0288 | -0.03 |
| | 0.5A | -0.0233 | -0.0266 | -0.0233 | -0.0244 | -0.02 |
| | 0.1A | -0.0346 | -0.0346 | -0.0346 | -0.0346 | -0.03 |
| 0.5C | 100A | 0.1331 | 0.1229 | 0.1229 | 0.12630 | 0.13 |
| | 50A | 0.0761 | 0.0666 | 0.0666 | 0.06976 | 0.07 |
| | 20A | 0.0666 | 0.0555 | 0.0666 | 0.06290 | 0.06 |
| | 10A | 0.0466 | 0.0533 | 0.0466 | 0.04883 | 0.05 |
| | 5A | 0.0599 | 0.0599 | 0.0533 | 0.05770 | 0.06 |
| | 2.5A | 0.0416 | 0.0499 | 0.0499 | 0.04713 | 0.05 |
| | 1A | 0.0399 | 0.0466 | 0.0399 | 0.04213 | 0.04 |
| | 0.5A | 0.0499 | 0.0499 | 0.0499 | 0.04990 | 0.05 |
| | 0.1A | 0.0459 | 0.0433 | 0.0466 | 0.04526 | 0.05 |

39 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0545 | 0.0484 | 0.0484 | 0.05043 | 0.05 |
| | 50A | 0.0266 | 0.0200 | 0.0266 | 0.02440 | 0.02 |
| | 20A | 0.0249 | 0.0249 | 0.0166 | 0.02213 | 0.02 |
| | 10A | 0.0133 | 0.0200 | 0.0066 | 0.01330 | 0.01 |
| | 5A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | 0.00830 | 0.01 |
| | 1A | 0.0133 | 0.0133 | 0.0066 | 0.01106 | 0.01 |
| | 0.5A | 0.0066 | 0.0100 | 0.0066 | 0.00773 | 0.01 |
| | 0.1A | 0.0040 | 0.0060 | 0.0040 | 0.00466 | 0.00 |
| 0.5L | 100A | 0.0512 | 0.0410 | 0.0410 | 0.04440 | 0.04 |
| | 50A | 0.0095 | 0.0095 | 0.0095 | 0.00950 | 0.01 |
| | 20A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 10A | -0.0266 | -0.0133 | -0.0200 | -0.0199 | -0.02 |
| | 5A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 2.5A | -0.0250 | -0.0166 | -0.0250 | -0.0222 | -0.02 |
| | 1A | -0.0266 | -0.0333 | -0.0266 | -0.0288 | -0.03 |
| | 0.5A | -0.0233 | -0.0233 | -0.0233 | -0.0233 | -0.02 |
| | 0.1A | -0.0386 | -0.0400 | -0.0293 | -0.0359 | -0.04 |
| 0.5C | 100A | 0.1229 | 0.1331 | 0.1229 | 0.12630 | 0.13 |
| | 50A | 0.0666 | 0.0761 | 0.0666 | 0.06976 | 0.07 |
| | 20A | 0.0666 | 0.0666 | 0.0666 | 0.06660 | 0.07 |
| | 10A | 0.0466 | 0.0466 | 0.0533 | 0.04883 | 0.05 |
| | 5A | 0.0533 | 0.0599 | 0.0533 | 0.05550 | 0.06 |
| | 2.5A | 0.0416 | 0.0499 | 0.0499 | 0.04713 | 0.05 |
| | 1A | 0.0466 | 0.0399 | 0.0399 | 0.04213 | 0.04 |
| | 0.5A | 0.0466 | 0.0499 | 0.0466 | 0.04770 | 0.05 |
| | 0.1A | 0.0359 | 0.0366 | 0.0426 | 0.03836 | 0.04 |

40 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0424 | 0.0424 | 0.0424 | 0.04240 | 0.04 |
| | 50A | 0.0200 | 0.0133 | 0.0200 | 0.01776 | 0.02 |
| | 20A | 0.0249 | 0.0166 | 0.0249 | 0.02213 | 0.02 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 5A | 0.0133 | 0.0133 | 0.0200 | 0.01553 | 0.02 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | 0.00830 | 0.01 |
| | 1A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 0.5A | 0.0033 | 0.0100 | 0.0066 | 0.00663 | 0.01 |
| | 0.1A | 0.0053 | 0.0046 | 0.0053 | 0.00506 | 0.01 |
| 0.5L | 100A | 0.0307 | 0.0205 | 0.0307 | 0.02730 | 0.03 |
| | 50A | 0.0000 | 0.0000 | -0.0095 | -0.0031 | 0.00 |
| | 20A | 0.0000 | 0.0000 | 0.0111 | -0.0037 | 0.00 |
| | 10A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 5A | -0.0266 | -0.0333 | -0.0266 | -0.0288 | -0.03 |
| | 2.5A | -0.0250 | -0.0250 | -0.0166 | -0.0222 | -0.02 |
| | 1A | -0.0333 | -0.0266 | -0.0333 | -0.0310 | -0.03 |
| | 0.5A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 0.1A | -0.0380 | -0.0386 | -0.0393 | -0.0386 | -0.04 |
| 0.5C | 100A | 0.1229 | 0.1126 | 0.1126 | 0.11603 | 0.12 |
| | 50A | 0.0666 | 0.0666 | 0.0571 | 0.06343 | 0.06 |
| | 20A | 0.0555 | 0.0666 | 0.0555 | 0.05920 | 0.06 |
| | 10A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 5A | 0.0533 | 0.0599 | 0.0533 | 0.05550 | 0.06 |
| | 2.5A | 0.0499 | 0.0499 | 0.0499 | 0.04990 | 0.05 |
| | 1A | 0.0466 | 0.0399 | 0.0466 | 0.04436 | 0.04 |
| | 0.5A | 0.0533 | 0.0499 | 0.0499 | 0.05103 | 0.05 |
| | 0.1A | 0.0426 | 0.0479 | 0.0413 | 0.04393 | 0.04 |

41 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0605 | 0.0484 | 0.0545 | 0.05446 | 0.05 |
| | 50A | 0.0307 | 0.0358 | 0.0307 | 0.03240 | 0.03 |
| | 20A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 10A | 0.0133 | 0.0133 | 0.0200 | 0.01553 | 0.02 |
| | 5A | 0.0066 | 0.0133 | 0.0133 | 0.01106 | 0.01 |
| | 2.5A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 1A | 0.0133 | 0.0200 | 0.0066 | 0.01330 | 0.01 |
| | 0.5A | 0.0133 | 0.0133 | 0.0100 | 0.01220 | 0.01 |
| | 0.1A | 0.0086 | 0.0080 | 0.0086 | 0.00840 | 0.01 |
| 0.5L | 100A | 0.0512 | 0.0819 | 0.0615 | 0.06486 | 0.06 |
| | 50A | 0.0095 | 0.0095 | 0.0095 | 0.00950 | 0.01 |
| | 20A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 10A | -0.0200 | -0.0200 | -0.0266 | -0.0222 | -0.02 |
| | 5A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 2.5A | -0.0333 | -0.0250 | -0.0250 | -0.0277 | -0.03 |
| | 1A | -0.0266 | -0.0333 | -0.0266 | -0.0288 | -0.03 |
| | 0.5A | -0.0333 | -0.0300 | -0.0300 | -0.0311 | -0.03 |
| | 0.1A | -0.0313 | -0.0266 | -0.0286 | -0.0288 | -0.03 |
| 0.5C | 100A | 0.1331 | 0.1229 | 0.1331 | 0.12970 | 0.13 |
| | 50A | 0.0856 | 0.0856 | 0.0951 | 0.08876 | 0.09 |
| | 20A | 0.0666 | 0.0666 | 0.0555 | 0.06290 | 0.06 |
| | 10A | 0.0533 | 0.0533 | 0.0599 | 0.05550 | 0.06 |
| | 5A | 0.0533 | 0.0599 | 0.0533 | 0.05550 | 0.06 |
| | 2.5A | 0.0499 | 0.0416 | 0.0499 | 0.04713 | 0.05 |
| | 1A | 0.0466 | 0.0466 | 0.0533 | 0.04883 | 0.05 |
| | 0.5A | 0.0499 | 0.0499 | 0.0499 | 0.04990 | 0.05 |
| | 0.1A | 0.0453 | 0.0473 | 0.0426 | 0.04506 | 0.05 |

42 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0424 | 0.0242 | 0.0424 | 0.03633 | 0.04 |
| | 50A | 0.0205 | 0.0153 | 0.0153 | 0.01703 | 0.02 |
| | 20A | 0.0083 | 0.0083 | 0.0000 | 0.00553 | 0.01 |
| | 10A | 0.0066 | 0.0000 | 0.0066 | 0.00440 | 0.00 |
| | 5A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 2.5A | 0.0000 | 0.0083 | 0.0000 | 0.0027 | 0.00 |
| | 1A | 0.0066 | 0.0000 | 0.0000 | 0.00220 | 0.00 |
| | 0.5A | 0.0000 | 0.0033 | 0.0000 | 0.0011 | 0.00 |
| | 0.1A | 0.0040 | 0.0033 | 0.0060 | -0.0044 | 0.00 |
| 0.5L | 100A | 0.0307 | 0.0512 | 0.0307 | 0.03753 | 0.04 |
| | 50A | -0.0095 | -0.0095 | -0.0095 | -0.0095 | -0.01 |
| | 20A | -0.0111 | -0.0111 | -0.0111 | -0.0111 | -0.01 |
| | 10A | -0.0333 | -0.0266 | -0.0333 | -0.0310 | -0.03 |
| | 5A | -0.0333 | -0.0400 | -0.0333 | -0.0355 | -0.04 |
| | 2.5A | -0.0416 | -0.0333 | -0.0416 | -0.0388 | -0.04 |
| | 1A | -0.0400 | -0.0400 | -0.0400 | -0.0400 | -0.04 |
| | 0.5A | -0.0433 | -0.0466 | -0.0433 | -0.0444 | -0.04 |
| | 0.1A | -0.0433 | -0.0426 | -0.0480 | -0.0446 | -0.04 |
| 0.5C | 100A | 0.1024 | 0.1024 | 0.0922 | 0.09900 | 0.10 |
| | 50A | 0.0666 | 0.0761 | 0.0666 | 0.06976 | 0.07 |
| | 20A | 0.0555 | 0.0444 | 0.0444 | 0.04810 | 0.05 |
| | 10A | 0.0399 | 0.0399 | 0.0466 | 0.04213 | 0.04 |
| | 5A | 0.0399 | 0.0399 | 0.0466 | 0.04213 | 0.04 |
| | 2.5A | 0.0333 | 0.0333 | 0.0333 | 0.03330 | 0.03 |
| | 1A | 0.0333 | 0.0399 | 0.0333 | 0.03550 | 0.04 |
| | 0.5A | 0.0366 | 0.0399 | 0.0399 | 0.03880 | 0.04 |
| | 0.1A | 0.0279 | 0.0346 | 0.0293 | 0.03060 | 0.03 |

43 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0545 | 0.0424 | 0.0484 | 0.04843 | 0.05 |
| | 50A | 0.0307 | 0.0307 | 0.0256 | 0.02900 | 0.03 |
| | 20A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 5A | 0.0133 | 0.0133 | 0.0066 | 0.01106 | 0.01 |
| | 2.5A | 0.0166 | 0.0083 | 0.0166 | 0.01383 | 0.01 |
| | 1A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 0.5A | 0.0133 | 0.0133 | 0.0100 | 0.01220 | 0.01 |
| | 0.1A | 0.0073 | 0.0053 | 0.0046 | 0.00573 | 0.01 |
| 0.5L | 100A | 0.0512 | 0.0615 | 0.0512 | 0.05463 | 0.05 |
| | 50A | 0.0095 | 0.0000 | 0.0095 | 0.00633 | 0.01 |
| | 20A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 10A | -0.0200 | -0.0200 | -0.0266 | -0.0222 | -0.02 |
| | 5A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 2.5A | -0.0333 | -0.0250 | -0.0333 | -0.0305 | -0.03 |
| | 1A | -0.0333 | -0.0266 | -0.0333 | -0.0310 | -0.03 |
| | 0.5A | -0.0333 | -0.0300 | -0.0266 | -0.0299 | -0.03 |
| | 0.1A | -0.0346 | -0.0260 | -0.0326 | -0.0310 | -0.03 |
| 0.5C | 100A | 0.1229 | 0.1126 | 0.1229 | 0.11946 | 0.12 |
| | 50A | 0.0761 | 0.0856 | 0.0951 | 0.08560 | 0.09 |
| | 20A | 0.0666 | 0.0666 | 0.0555 | 0.06290 | 0.06 |
| | 10A | 0.0466 | 0.0599 | 0.0533 | 0.05326 | 0.05 |
| | 5A | 0.0533 | 0.0533 | 0.0533 | 0.05330 | 0.05 |
| | 2.5A | 0.0499 | 0.0416 | 0.0499 | 0.04713 | 0.05 |
| | 1A | 0.0466 | 0.0466 | 0.0533 | 0.04883 | 0.05 |
| | 0.5A | 0.0499 | 0.0499 | 0.0499 | 0.04990 | 0.05 |
| | 0.1A | 0.0466 | 0.0386 | 0.0453 | 0.04350 | 0.04 |

44 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0605 | 0.0484 | 0.0605 | 0.05646 | 0.06 |
| | 50A | 0.0307 | 0.0307 | 0.0256 | 0.02900 | 0.03 |
| | 20A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 10A | 0.0133 | 0.0133 | 0.0200 | 0.01553 | 0.02 |
| | 5A | 0.0066 | 0.0133 | 0.0133 | 0.01106 | 0.01 |
| | 2.5A | 0.0166 | 0.0166 | 0.0166 | 0.01660 | 0.02 |
| | 1A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 0.5A | 0.0133 | 0.0100 | 0.0133 | 0.01220 | 0.01 |
| | 0.1A | 0.0146 | 0.0066 | 0.0073 | -0.0002 | 0.00 |
| 0.5L | 100A | 0.0512 | 0.0819 | 0.0615 | 0.06486 | 0.06 |
| | 50A | 0.0000 | 0.0095 | 0.0095 | 0.0063 | 0.01 |
| | 20A | 0.0000 | 0.0000 | 0.0111 | 0.0037 | 0.00 |
| | 10A | -0.0200 | -0.0266 | -0.0200 | -0.0222 | -0.02 |
| | 5A | -0.0333 | -0.0266 | -0.0200 | -0.0266 | -0.03 |
| | 2.5A | -0.0333 | -0.0250 | -0.0333 | -0.0305 | -0.03 |
| | 1A | -0.0333 | -0.0333 | -0.0333 | -0.0333 | -0.03 |
| | 0.5A | -0.0366 | -0.0366 | -0.0333 | -0.0355 | -0.04 |
| | 0.1A | -0.0353 | -0.0353 | -0.0386 | -0.0364 | -0.04 |
| 0.5C | 100A | 0.1331 | 0.1331 | 0.1229 | 0.12970 | 0.13 |
| | 50A | 0.0856 | 0.0856 | 0.0951 | 0.08876 | 0.09 |
| | 20A | 0.0666 | 0.0666 | 0.0666 | 0.06660 | 0.07 |
| | 10A | 0.0533 | 0.0533 | 0.0533 | 0.05330 | 0.05 |
| | 5A | 0.0533 | 0.0533 | 0.0533 | 0.05330 | 0.05 |
| | 2.5A | 0.0416 | 0.0499 | 0.0416 | 0.04436 | 0.04 |
| | 1A | 0.0533 | 0.0466 | 0.0533 | 0.05106 | 0.05 |
| | 0.5A | 0.0499 | 0.0499 | 0.0499 | 0.04990 | 0.05 |
| | 0.1A | 0.0399 | 0.0453 | 0.0419 | 0.04236 | 0.04 |

45 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|---------|--------|
| 1.0 | 100A | 0.0484 | 0.0363 | 0.0484 | 0.04436 | 0.04 |
| | 50A | 0.0307 | 0.0256 | 0.0256 | 0.02730 | 0.03 |
| | 20A | 0.0166 | 0.0166 | 0.0083 | 0.01383 | 0.01 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | 0.01330 | 0.01 |
| | 5A | 0.0133 | 0.0066 | 0.0133 | 0.01106 | 0.01 |
| | 2.5A | 0.0166 | 0.0083 | 0.0166 | 0.01383 | 0.01 |
| | 1A | 0.0133 | 0.0133 | 0.0066 | 0.01106 | 0.01 |
| | 0.5A | 0.0133 | 0.0100 | 0.0133 | 0.01220 | 0.01 |
| | 0.1A | 0.0053 | 0.0040 | 0.0046 | 0.00463 | 0.00 |
| 0.5L | 100A | 0.0307 | 0.0615 | 0.0410 | 0.04440 | 0.04 |
| | 50A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 20A | 0.0000 | 0.0000 | 0.0000 | -0.0000 | 0.00 |
| | 10A | -0.0200 | -0.0266 | -0.0266 | -0.0244 | -0.02 |
| | 5A | -0.0266 | -0.0266 | -0.0266 | -0.0266 | -0.03 |
| | 2.5A | -0.0333 | -0.0333 | -0.0250 | -0.0305 | -0.03 |
| | 1A | -0.0333 | -0.0266 | -0.0333 | -0.0310 | -0.03 |
| | 0.5A | -0.0333 | -0.0300 | -0.0300 | -0.0311 | -0.03 |
| | 0.1A | -0.0326 | -0.0326 | -0.0373 | -0.0341 | -0.03 |
| 0.5C | 100A | 0.1126 | 0.1126 | 0.1126 | 0.11260 | 0.11 |
| | 50A | 0.0761 | 0.0761 | 0.0856 | 0.07926 | 0.08 |
| | 20A | 0.0555 | 0.0555 | 0.0555 | 0.05550 | 0.06 |
| | 10A | 0.0533 | 0.0533 | 0.0533 | 0.05330 | 0.05 |
| | 5A | 0.0466 | 0.0533 | 0.0533 | 0.05106 | 0.05 |
| | 2.5A | 0.0416 | 0.0416 | 0.0416 | 0.04160 | 0.04 |
| | 1A | 0.0466 | 0.0466 | 0.0466 | 0.04660 | 0.05 |
| | 0.5A | 0.0466 | 0.0466 | 0.0499 | 0.04770 | 0.05 |
| | 0.1A | 0.0459 | 0.0346 | 0.0439 | 0.04146 | 0.04 |

46 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|----------|--------|
| 1.0 | 100A | -0.0363 | -0.0424 | -0.0424 | -0.04036 | -0.04 |
| | 50A | 0.0000 | -0.0102 | -0.0051 | -0.0051 | -0.01 |
| | 20A | -0.0083 | 0.0083 | 0.0000 | +0.00000 | 0.00 |
| | 10A | 0.0000 | 0.0000 | 0.0000 | +0.0000 | 0.00 |
| | 5A | 0.0000 | 0.0066 | 0.0000 | +0.0022 | 0.00 |
| | 2.5A | 0.0000 | -0.0083 | -0.0083 | -0.0055 | -0.01 |
| | 1A | -0.0066 | -0.0200 | -0.0066 | -0.01106 | -0.01 |
| | 0.5A | -0.0100 | -0.0100 | -0.0100 | -0.01000 | -0.01 |
| | 0.1A | -0.0126 | -0.0106 | -0.0106 | -0.01126 | -0.01 |
| 0.5L | 100A | -0.0410 | -0.0102 | -0.0512 | -0.03413 | -0.03 |
| | 50A | -0.0190 | -0.0095 | -0.0380 | -0.02216 | -0.02 |
| | 20A | 0.0000 | -0.0111 | 0.0000 | -0.0037 | 0.00 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | +0.0133 | +0.01 |
| | 5A | 0.0000 | 0.0066 | 0.0133 | +0.0066 | +0.01 |
| | 2.5A | 0.0083 | 0.0083 | 0.0000 | +0.0055 | +0.01 |
| | 1A | 0.0066 | 0.0066 | 0.0066 | +0.0066 | +0.01 |
| | 0.5A | 0.0100 | 0.0133 | 0.0133 | +0.0122 | +0.01 |
| | 0.1A | 0.0153 | 0.0053 | 0.0053 | +0.0086 | +0.01 |
| 0.5C | 100A | -0.0615 | -0.0615 | -0.0410 | -0.05466 | -0.05 |
| | 50A | -0.0285 | -0.0190 | -0.0190 | -0.02216 | -0.02 |
| | 20A | -0.0111 | -0.0111 | -0.0111 | -0.01110 | -0.01 |
| | 10A | -0.0133 | -0.0200 | -0.0133 | -0.01553 | -0.02 |
| | 5A | -0.0133 | -0.0133 | -0.0133 | -0.01330 | -0.01 |
| | 2.5A | -0.0166 | -0.0249 | -0.0166 | -0.01936 | -0.02 |
| | 1A | -0.0133 | -0.0133 | -0.0133 | -0.01330 | -0.01 |
| | 0.5A | -0.0133 | -0.0133 | -0.0166 | -0.01440 | -0.01 |
| | 0.1A | -0.0180 | -0.0160 | -0.0160 | -0.01666 | -0.02 |

47 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|----------|--------|
| 1.0 | 100A | -0.0545 | -0.0545 | -0.0545 | -0.05450 | -0.05 |
| | 50A | -0.0102 | -0.0153 | -0.0102 | -0.01190 | -0.01 |
| | 20A | -0.0083 | 0.0000 | -0.0083 | -0.00553 | -0.01 |
| | 10A | 0.0000 | -0.0066 | 0.0000 | -0.0022 | 0.00 |
| | 5A | -0.0066 | 0.0000 | 0.0000 | -0.00220 | 0.00 |
| | 2.5A | -0.0083 | -0.0083 | 0.0000 | -0.00553 | -0.01 |
| | 1A | 0.0000 | -0.0200 | -0.0066 | -0.0088 | -0.01 |
| | 0.5A | 0.0133 | -0.0100 | -0.0133 | -0.0033 | 0.00 |
| | 0.1A | -0.0120 | -0.0046 | -0.0073 | -0.00796 | -0.01 |
| 0.5L | 100A | -0.0717 | -0.0410 | -0.0717 | -0.06146 | -0.06 |
| | 50A | -0.0285 | -0.0380 | -0.0380 | -0.03483 | -0.03 |
| | 20A | -0.0111 | -0.0111 | -0.0111 | -0.01110 | -0.01 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | +0.0133 | +0.01 |
| | 5A | 0.0066 | 0.0000 | 0.0066 | +0.0044 | 0.00 |
| | 2.5A | 0.0083 | 0.0166 | 0.0083 | +0.0110 | +0.01 |
| | 1A | 0.0133 | 0.0066 | 0.0066 | +0.0088 | +0.01 |
| | 0.5A | 0.0133 | 0.0133 | 0.0166 | +0.0144 | +0.01 |
| | 0.1A | 0.0133 | 0.0146 | 0.0146 | +0.0141 | +0.01 |
| 0.5C | 100A | -0.0819 | -0.0717 | -0.0615 | -0.07170 | -0.07 |
| | 50A | -0.0380 | -0.0285 | -0.0380 | -0.03483 | -0.03 |
| | 20A | -0.0222 | -0.0222 | -0.0111 | -0.01850 | -0.02 |
| | 10A | -0.0200 | -0.0200 | -0.0200 | -0.02000 | -0.02 |
| | 5A | -0.0133 | -0.0200 | -0.0200 | -0.01776 | -0.02 |
| | 2.5A | -0.0166 | -0.0166 | -0.0166 | -0.01660 | -0.02 |
| | 1A | -0.0133 | -0.0200 | -0.0133 | -0.01553 | -0.02 |
| | 0.5A | -0.0133 | -0.0133 | -0.0133 | -0.01330 | -0.01 |
| | 0.1A | -0.0126 | -0.0180 | -0.0166 | -0.01573 | -0.02 |

48 表位

| cosφ | 输出电流 | 基本误差 (%) | | | 平均值 (%) | 化整值(%) |
|------|------|----------|---------|---------|----------|--------|
| 1.0 | 100A | -0.0545 | -0.0545 | -0.0545 | -0.05450 | -0.05 |
| | 50A | -0.0051 | -0.0153 | -0.0153 | -0.01190 | -0.01 |
| | 20A | -0.0083 | 0.0000 | -0.0083 | -0.00553 | -0.01 |
| | 10A | -0.0066 | 0.0000 | -0.0066 | -0.00440 | 0.00 |
| | 5A | -0.0066 | 0.0066 | -0.0066 | -0.00220 | 0.00 |
| | 2.5A | -0.0083 | -0.0083 | -0.0083 | -0.00830 | -0.01 |
| | 1A | 0.0000 | -0.0266 | -0.0066 | -0.0110 | -0.01 |
| | 0.5A | -0.0100 | -0.0133 | -0.0100 | -0.01110 | -0.01 |
| | 0.1A | -0.0080 | -0.0113 | -0.0126 | -0.01063 | -0.01 |
| 0.5L | 100A | -0.0717 | -0.0307 | -0.0717 | -0.05803 | -0.06 |
| | 50A | -0.0285 | -0.0285 | -0.0380 | -0.03166 | -0.03 |
| | 20A | 0.0000 | -0.0111 | -0.0111 | -0.0074 | -0.01 |
| | 10A | 0.0133 | 0.0133 | 0.0133 | +0.0133 | +0.01 |
| | 5A | 0.0066 | 0.0066 | 0.0066 | +0.0066 | +0.01 |
| | 2.5A | 0.0083 | 0.0083 | 0.0083 | +0.0083 | +0.01 |
| | 1A | 0.0066 | 0.0066 | 0.0066 | +0.0066 | +0.01 |
| | 0.5A | 0.0133 | 0.0133 | 0.0133 | +0.0133 | +0.01 |
| | 0.1A | 0.0166 | 0.0046 | 0.0100 | +0.0104 | +0.01 |
| 0.5C | 100A | -0.0717 | -0.0819 | -0.0615 | -0.07170 | -0.07 |
| | 50A | -0.0285 | -0.0285 | -0.0285 | -0.02850 | -0.03 |
| | 20A | -0.0222 | -0.0222 | -0.0111 | -0.01850 | -0.02 |
| | 10A | -0.0200 | -0.0200 | -0.0200 | -0.02000 | -0.02 |
| | 5A | -0.0133 | -0.0133 | -0.0133 | -0.01330 | -0.01 |
| | 2.5A | -0.0166 | -0.0249 | -0.0166 | -0.01936 | -0.02 |
| | 1A | -0.0133 | -0.0200 | -0.0133 | -0.01553 | -0.02 |
| | 0.5A | -0.0166 | -0.0166 | -0.0166 | -0.01660 | -0.02 |
| | 0.1A | -0.0166 | -0.0160 | -0.0186 | -0.01706 | -0.02 |

对电能表自动化试验系统电能计量检定单元的所有表位均进行了检定，结果表明所有表位的基本误差均合格。

No. 02177606

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×100A 等级:0.02 级 | | | | | | | | |
|--|----|----|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0087,+0.0082,+0.0081,+0.0087,+0.0083 | +0.00840 | +0.008 | / | |
| 2 | Ib | 合相 | 0.5L | +0.0118,+0.0120,+0.0124,+0.0119,+0.0126 | +0.01214 | +0.012 | / | |
| 3 | Ib | 合相 | 0.25L | +0.0065,+0.0065,+0.0062,+0.0059,+0.0063 | +0.00628 | +0.006 | / | |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×50A 等级:0.02 级 | | | | | | | | |
|---|----|----|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0090,+0.0092,+0.0089,+0.0086,+0.0090 | +0.00894 | +0.008 | / | |
| 2 | Ib | 合相 | 0.5L | +0.0108,+0.0101,+0.0107,+0.0107,+0.0105 | +0.01056 | +0.010 | / | |
| 3 | Ib | 合相 | 0.25L | +0.0081,+0.0086,+0.0081,+0.0074,+0.0073 | +0.00790 | +0.008 | / | |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×25A 等级:0.02 级 | | | | | | | | |
|---|----|----|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0096,+0.0101,+0.0102,+0.0105,+0.0102 | +0.01012 | +0.010 | / | |
| 2 | Ib | 合相 | 0.5L | +0.0132,+0.0139,+0.0142,+0.0131,+0.0135 | +0.01358 | +0.014 | / | |
| 3 | Ib | 合相 | 0.25L | +0.0078,+0.0086,+0.0087,+0.0086,+0.0075 | +0.00804 | +0.008 | / | |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×10A 等级:0.02 级 | | | | | | | | |
|---|----|----|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0052,+0.0059,+0.0052,+0.0054,+0.0059 | +0.00552 | +0.006 | / | |
| 2 | Ib | 合相 | 0.5L | +0.0087,+0.0084,+0.0079,+0.0094,+0.0083 | +0.00854 | +0.008 | / | |
| 3 | Ib | 合相 | 0.25L | +0.0036,+0.0041,+0.0040,+0.0045,+0.0043 | +0.00410 | +0.004 | / | |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×5A 等级:0.02 级 | | | | | | | | |
|--|----|--------|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0088,+0.0082,+0.0088,+0.0080,+0.0089 | +0.00854 | +0.008 | / | |
| 2 | Ib | 合相 | 0.5L | +0.0121,+0.0131,+0.0137,+0.0120,+0.0127 | +0.01272 | +0.012 | / | |
| 3 | Ib | 合相 | 0.25L | +0.0063,+0.0060,+0.0059,+0.0062,+0.0060 | +0.00608 | +0.006 | / | |
| 4 | Ib | A 相不平衡 | 1.0 | +0.0069,+0.0080,+0.0083,+0.0087,+0.0064 | +0.00766 | +0.008 | / | |
| 5 | Ib | A 相不平衡 | 0.5L | +0.0075,+0.0061,+0.0080,+0.0073,+0.0083 | +0.00744 | +0.008 | / | |
| 6 | Ib | A 相不平衡 | 0.25L | +0.0071,+0.0080,+0.0076,+0.0073,+0.0077 | +0.00754 | +0.008 | / | |
| 7 | Ib | B 相不平衡 | 1.0 | +0.0082,+0.0097,+0.0084,+0.0079,+0.0091 | +0.00866 | +0.008 | / | |
| 8 | Ib | B 相不平衡 | 0.5L | +0.0140,+0.0137,+0.0158,+0.0167,+0.0143 | +0.01490 | +0.014 | / | |
| 9 | Ib | B 相不平衡 | 0.25L | +0.0067,+0.0066,+0.0056,+0.0065,+0.0047 | +0.00602 | +0.006 | / | |
| 10 | Ib | C 相不平衡 | 1.0 | +0.0052,+0.0049,+0.0060,+0.0057,+0.0063 | +0.00562 | +0.006 | / | |
| 11 | Ib | C 相不平衡 | 0.5L | +0.0091,+0.0108,+0.0116,+0.0098,+0.0100 | +0.01026 | +0.010 | / | |
| 12 | Ib | C 相不平衡 | 0.25L | +0.0040,+0.0037,+0.0040,+0.0037,+0.0045 | +0.00408 | +0.004 | / | |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×2.5A 等级:0.02 级 | | | | | | | | |
|--|----|----|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0086,+0.0086,+0.0085,+0.0093,+0.0081 | +0.00862 | +0.008 | / | |
| 2 | Ib | 合相 | 0.5L | +0.0156,+0.0139,+0.0146,+0.0145,+0.0128 | +0.01428 | +0.014 | / | |
| 3 | Ib | 合相 | 0.25L | +0.0063,+0.0062,+0.0064,+0.0062,+0.0060 | +0.00622 | +0.006 | / | |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×1A 等级:0.02 级 | | | | | | | |
|--|----|----|-------|---|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0106,+0.0107,+0.0106,+0.0107,+0.0106 | +0.0106 | +0.010 | / |
| 2 | Ib | 合相 | 0.5L | +0.0132,+0.0130,+0.0123,+0.0132,+0.0131 | +0.01296 | +0.012 | / |
| 3 | Ib | 合相 | 0.25L | +0.0094,+0.0092,+0.0095,+0.0097,+0.0094 | +0.00944 | +0.010 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.5A 等级:0.02 级 | | | | | | | |
|--|----|----|-------|---|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0100,+0.0092,+0.0091,+0.0094,+0.0098 | +0.00950 | +0.010 | / |
| 2 | Ib | 合相 | 0.5L | +0.0051,+0.0049,+0.0047,+0.0052,+0.0057 | +0.00512 | +0.006 | / |
| 3 | Ib | 合相 | 0.25L | +0.0115,+0.0123,+0.0115,+0.0118,+0.0113 | +0.01168 | +0.012 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.25A 等级:0.02 级 | | | | | | | |
|---|----|----|-------|---|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0102,+0.0099,+0.0104,+0.0099,+0.0096 | +0.01000 | +0.010 | / |
| 2 | Ib | 合相 | 0.5L | +0.0063,+0.0044,+0.0043,+0.0060,+0.0061 | +0.00542 | +0.006 | / |
| 3 | Ib | 合相 | 0.25L | +0.0117,+0.0112,+0.0115,+0.0118,+0.0117 | +0.01158 | +0.012 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.1A 等级:0.02 级 | | | | | | | |
|--|----|----|-------|---|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0089,+0.0086,+0.0085,+0.0084,+0.0080 | +0.00848 | +0.008 | / |
| 2 | Ib | 合相 | 0.5L | +0.0125,+0.0124,+0.0121,+0.0116,+0.0121 | +0.01214 | +0.012 | / |
| 3 | Ib | 合相 | 0.25L | +0.0071,+0.0069,+0.0079,+0.0064,+0.0069 | +0.00704 | +0.008 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.01A 等级:0.02 级 | | | | | | | |
|---|----|----|-------|---|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0110,+0.0126,+0.0093,+0.0096,+0.0124 | +0.01094 | +0.010 | / |
| 2 | Ib | 合相 | 0.5L | +0.0130,+0.0116,+0.0132,+0.0136,+0.0121 | +0.0127 | +0.012 | / |
| 3 | Ib | 合相 | 0.25L | +0.0069,+0.0036,+0.0073,+0.0102,+0.0029 | +0.00618 | +0.006 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.003A 等级:0.02 级 | | | | | | | |
|--|----|----|-------|---|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0180,+0.0215,+0.0177,+0.0201,+0.0215 | +0.01976 | +0.020 | / |
| 2 | Ib | 合相 | 0.5L | +0.0540,+0.0524,+0.0539,+0.0524,+0.0504 | +0.05262 | +0.052 | / |
| 3 | Ib | 合相 | 0.25L | -0.0193,-0.0226,-0.0152,-0.0142,-0.0130 | -0.01686 | -0.016 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×220/380V 电流 3×0.0003A 等级:0.02 级 | | | | | | | |
|---|----|----|-----|---|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | -0.1674,-0.1751,-0.1576,-0.1696,-0.1724 | -0.16842 | -0.168 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×57.7/100V 电流 3×5A 等级:0.02 级 | | | | | | | |
|---|----|----|-----|---|----------|--------|--------|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
| 1 | Ib | 合相 | 1.0 | +0.0069,+0.0064,+0.0068,+0.0069,+0.0067 | +0.00674 | +0.006 | / |

| | | | | | | | |
|----|----|--------|-------|--|----------|--------|---|
| 2 | Ib | 合相 | 0.5L | +0.0161,+0.0156,+0.0159,+0.0151,+0.0164 | +0.01582 | +0.016 | / |
| 3 | Ib | 合相 | 0.25L | +0.0027,+0.0024,+0.0031,+0.0029,+0.0026 | +0.00274 | +0.002 | / |
| 4 | Ib | A 相不平衡 | 1.0 | +0.0080,+0.0073,+0.0084,+0.0097,+0.00103 | +0.00874 | +0.008 | / |
| 5 | Ib | A 相不平衡 | 0.5L | +0.0158,+0.0139,+0.0162,+0.0142,+0.0135 | +0.01472 | +0.014 | / |
| 6 | Ib | A 相不平衡 | 0.25L | +0.0051,+0.0056,+0.0068,+0.0066,+0.0059 | +0.00600 | +0.006 | / |
| 7 | Ib | B 相不平衡 | 1.0 | +0.0053,+0.0064,+0.0065,+0.0066,+0.0069 | +0.00634 | +0.006 | / |
| 8 | Ib | B 相不平衡 | 0.5L | +0.0126,+0.0117,+0.0133,+0.0122,+0.0131 | +0.01258 | +0.012 | / |
| 9 | Ib | B 相不平衡 | 0.25L | +0.0027,+0.0021,+0.0049,+0.0028,+0.0032 | +0.00314 | +0.004 | / |
| 10 | Ib | C 相不平衡 | 1.0 | +0.0059,+0.0073,+0.0055,+0.0054,+0.0043 | +0.00568 | +0.006 | / |
| 11 | Ib | C 相不平衡 | 0.5L | +0.0186,+0.0174,+0.0177,+0.0204,+0.0168 | +0.01818 | +0.018 | / |
| 12 | Ib | C 相不平衡 | 0.25L | -0.0018,-0.0012,-0.0026,-0.0017,-0.0030 | -0.00206 | -0.002 | / |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×100V 电流 3×5A 等级:0.02 级 | | | | | | | | |
|--|----|--------|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0086,+0.0074,+0.0076,+0.0080,+0.0085 | +0.00802 | +0.008 | / | |
| 2 | Ib | 合相 | 0.5L | +0.0076,+0.0078,+0.0083,+0.0072,+0.0070 | +0.00758 | +0.008 | / | |
| 3 | Ib | 合相 | 0.25L | +0.0073,+0.0065,+0.0084,+0.0081,+0.0079 | +0.00764 | +0.008 | / | |
| 4 | Ib | A 相不平衡 | 1.0 | +0.0107,+0.0107,+0.0092,+0.0103,+0.0103 | +0.01024 | +0.010 | / | |
| 5 | Ib | A 相不平衡 | 0.5L | +0.0070,+0.0072,+0.0071,+0.0074,+0.0071 | +0.00716 | +0.008 | / | |
| 6 | Ib | A 相不平衡 | 0.25L | +0.0099,+0.0104,+0.0102,+0.0106,+0.0107 | +0.01036 | +0.010 | / | |
| 7 | Ib | C 相不平衡 | 1.0 | +0.0076,+0.0065,+0.0049,+0.0081,+0.0071 | +0.00684 | +0.006 | / | |
| 8 | Ib | C 相不平衡 | 0.5L | +0.0103,+0.0097,+0.0112,+0.0091,+0.0079 | +0.00964 | +0.010 | / | |
| 9 | Ib | C 相不平衡 | 0.25L | +0.0068,+0.0053,+0.0064,+0.0052,+0.0057 | +0.00588 | +0.006 | / | |

| 基本误差 接线方式:三相四线有功 负载:最小 电压:3×380V 电流 3×5A 等级:0.02 级 | | | | | | | | |
|--|----|--------|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0117,+0.0107,+0.0114,+0.0108,+0.0113 | +0.01118 | +0.012 | / | |
| 2 | Ib | 合相 | 0.5L | +0.0111,+0.0112,+0.0097,+0.0123,+0.0092 | +0.01070 | +0.010 | / | |
| 3 | Ib | 合相 | 0.25L | +0.0106,+0.0114,+0.0115,+0.0107,+0.0118 | +0.01120 | +0.012 | / | |
| 4 | Ib | A 相不平衡 | 1.0 | +0.0131,+0.0121,+0.0130,+0.0115,+0.0118 | +0.0123 | +0.012 | / | |
| 5 | Ib | A 相不平衡 | 0.5L | +0.0119,+0.0127,+0.0123,+0.0121,+0.0131 | +0.01242 | +0.012 | / | |
| 6 | Ib | A 相不平衡 | 0.25L | +0.0138,+0.0123,+0.0129,+0.0116,+0.0118 | +0.01248 | +0.012 | / | |
| 7 | Ib | C 相不平衡 | 1.0 | +0.0086,+0.0098,+0.0096,+0.0076,+0.0091 | +0.00894 | +0.008 | / | |
| 8 | Ib | C 相不平衡 | 0.5L | +0.0103,+0.0092,+0.0108,+0.0101,+0.0098 | +0.01004 | +0.010 | / | |
| 9 | Ib | C 相不平衡 | 0.25L | +0.0103,+0.0094,+0.0097,+0.0093,+0.0083 | +0.00940 | +0.010 | / | |

| 基本误差 接线方式:三相四线无功 负载:最小 电压:3×220/380V 电流 3×100A 等级:0.05 级 | | | | | | | | |
|--|----|----|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0067,+0.0072,+0.0076,+0.0073,+0.0074 | +0.00724 | +0.005 | / | |
| 2 | Ib | 合相 | 0.5L | +0.0019,+0.0014,+0.0023,+0.0026,+0.0022 | +0.00208 | +0.000 | / | |
| 3 | Ib | 合相 | 0.25L | -0.0092,-0.0107,-0.0114,-0.0098,-0.0101 | -0.01024 | -0.010 | / | |

| 基本误差 接线方式:三相四线无功 负载:最小 电压:3×220/380V 电流 3×50A 等级:0.05 级 | | | | | | | | |
|---|----|----|----|--------|--------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |

| | | | | | | | |
|---|----|----|-------|---|----------|--------|---|
| 1 | Ib | 合相 | 1.0 | +0.0078,+0.0080,+0.0082,+0.0078,+0.0082 | +0.00800 | +0.010 | / |
| 2 | Ib | 合相 | 0.5L | +0.0053,+0.0056,+0.0055,+0.0049,+0.0060 | +0.00546 | +0.005 | / |
| 3 | Ib | 合相 | 0.25L | -0.0004,-0.0005,-0.0001,-0.0007,+0.0004 | -0.00026 | -0.005 | / |

基本误差 接线方式:三相四线无功 负载:最小 电压:3×220/380V 电流 3×20A 等级:0.05 级

| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
|----|----|----|-------|---|----------|--------|--------|
| 1 | Ib | 合相 | 1.0 | +0.0054,+0.0056,+0.0051,+0.0057,+0.0052 | +0.00540 | +0.005 | / |
| 2 | Ib | 合相 | 0.5L | +0.0019,+0.0009,+0.0016,+0.0013,+0.0014 | +0.00142 | +0.000 | / |
| 3 | Ib | 合相 | 0.25L | -0.0061,-0.0060,-0.0055,-0.0059,-0.0061 | -0.00592 | -0.005 | / |

基本误差 接线方式:三相四线无功 负载:最小 电压:3×220/380V 电流 3×10A 等级:0.05 级

| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
|----|----|----|-------|---|----------|--------|--------|
| 1 | Ib | 合相 | 1.0 | +0.0054,+0.0050,+0.0055,+0.0053,+0.0052 | +0.00528 | +0.005 | / |
| 2 | Ib | 合相 | 0.5L | +0.0014,+0.0011,+0.0015,+0.0012,+0.0014 | +0.00132 | +0.000 | / |
| 3 | Ib | 合相 | 0.25L | -0.0073,-0.0064,-0.0076,-0.0063,-0.0062 | -0.00676 | -0.005 | / |

基本误差 接线方式:三相四线无功 负载:最小 电压:3×220/380V 电流 3×5A 等级:0.05 级

| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
|----|----|--------|-------|---|----------|--------|--------|
| 1 | Ib | 合相 | 1.0 | +0.0063,+0.0065,+0.0059,+0.0064,+0.0062 | +0.00626 | +0.005 | / |
| 2 | Ib | 合相 | 0.5L | +0.0001,+0.0004,+0.0004,-0.0005,-0.0001 | +0.00006 | +0.000 | / |
| 3 | Ib | 合相 | 0.25L | -0.0125,-0.0136,-0.0110,-0.0114,-0.0119 | -0.01208 | -0.010 | / |
| 4 | Ib | A 相不平衡 | 1.0 | +0.0092,+0.0095,+0.0094,+0.0093,+0.0104 | +0.00956 | +0.010 | / |
| 5 | Ib | A 相不平衡 | 0.5L | +0.0015,+0.0017,+0.0024,+0.0009,+0.0018 | +0.00166 | +0.000 | / |
| 6 | Ib | A 相不平衡 | 0.25L | -0.0138,-0.0145,-0.0124,-0.0144,-0.0111 | -0.01324 | -0.015 | / |
| 7 | Ib | B 相不平衡 | 1.0 | +0.0070,+0.0081,+0.0073,+0.0064,+0.0076 | +0.00728 | +0.005 | / |
| 8 | Ib | B 相不平衡 | 0.5L | -0.0014,-0.0015,-0.0008,-0.0006,-0.0021 | -0.00128 | -0.000 | / |
| 9 | Ib | B 相不平衡 | 0.25L | -0.0177,-0.0205,-0.0217,-0.0218,-0.0223 | -0.02080 | -0.020 | / |
| 10 | Ib | C 相不平衡 | 1.0 | +0.0051,+0.0054,+0.0046,+0.0045,+0.0058 | +0.00508 | +0.005 | / |
| 11 | Ib | C 相不平衡 | 0.5L | -0.0008,-0.0004,-0.0004,+0.0011,+0.0003 | -0.00004 | -0.000 | / |
| 12 | Ib | C 相不平衡 | 0.25L | -0.0138,-0.0145,-0.0124,-0.0144,-0.0111 | -0.01324 | -0.015 | / |

基本误差 接线方式:三相四线无功 负载:最小 电压:3×220/380V 电流 3×2.5A 等级:0.05 级

| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
|----|----|----|-------|---|----------|--------|--------|
| 1 | Ib | 合相 | 1.0 | -0.0089,-0.0083,-0.0085,-0.0087,-0.0086 | -0.00860 | -0.010 | / |
| 2 | Ib | 合相 | 0.5L | +0.0008,+0.0002,+0.0014,+0.0005,+0.0001 | +0.00060 | +0.000 | / |
| 3 | Ib | 合相 | 0.25L | -0.0140,-0.0146,-0.0119,-0.0141,-0.0118 | -0.01328 | -0.015 | / |

基本误差 接线方式:三相四线无功 负载:最小 电压:3×220/380V 电流 3×1A 等级:0.05 级

| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) |
|----|----|----|-------|---|----------|--------|--------|
| 1 | Ib | 合相 | 1.0 | +0.0100,+0.0098,+0.0098,+0.0100,+0.0101 | +0.00994 | +0.010 | / |
| 2 | Ib | 合相 | 0.5L | +0.0027,+0.0034,+0.0032,+0.0039,+0.0044 | +0.00352 | +0.005 | / |
| 3 | Ib | 合相 | 0.25L | -0.0083,-0.0060,-0.0088,-0.0087,-0.0068 | -0.00772 | -0.010 | / |

| 基本误差 接线方式:三相四线无功 负载:最小 电压:3×220/380V 电流 3×0.5A 等级:0.05 级 | | | | | | | | |
|--|----|----|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0092,+0.0089,+0.0086,+0.0090,+0.0089 | +0.00892 | +0.010 | / | |
| 2 | Ib | 合相 | 0.5L | +0.0097,+0.0092,+0.0104,+0.0094,+0.0093 | +0.00960 | +0.010 | / | |
| 3 | Ib | 合相 | 0.25L | +0.0120,+0.0111,+0.0119,+0.0117,+0.0106 | +0.01146 | +0.010 | / | |

| 基本误差 接线方式:三相四线无功 负载:最小 电压:3×220/380V 电流 3×0.1A 等级:0.05 级 | | | | | | | | |
|--|----|----|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0079,+0.0082,+0.0078,+0.0074,+0.0077 | +0.00780 | +0.010 | / | |
| 2 | Ib | 合相 | 0.5L | +0.0083,+0.0079,+0.0080,+0.0077,+0.0081 | +0.00800 | +0.010 | / | |
| 3 | Ib | 合相 | 0.25L | -0.0103,-0.0099,-0.0102,-0.0095,-0.0072 | -0.00942 | -0.010 | / | |

| 基本误差 接线方式:三相四线无功 负载:最小 电压:3×220/380V 电流 3×0.05A 等级:0.05 级 | | | | | | | | |
|---|----|----|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0079,+0.0081,+0.0087,+0.0101,+0.0091 | +0.00878 | +0.010 | / | |
| 2 | Ib | 合相 | 0.5L | -0.0005,-0.0003,-0.0012,-0.0028,-0.0011 | -0.00118 | -0.000 | / | |
| 3 | Ib | 合相 | 0.25L | -0.0215,-0.0258,-0.0278,-0.0226,-0.0186 | -0.02326 | -0.025 | / | |

| 基本误差 接线方式:三相四线无功 负载:最小 电压:3×220/380V 电流 3×0.01A 等级:0.05 级 | | | | | | | | |
|---|----|----|-------|--|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0108,+0.0105,+0.0084,+0.0102,+0.00111 | +0.01020 | +0.010 | / | |
| 2 | Ib | 合相 | 0.5L | -0.0094,-0.0123,-0.0133,-0.0116,-0.0122 | -0.01176 | -0.010 | / | |
| 3 | Ib | 合相 | 0.25L | -0.0161,-0.0376,-0.0314,-0.0244,-0.0292 | -0.02774 | -0.030 | / | |

| 基本误差 接线方式:三相四线无功 负载:最小 电压:3×220/380V 电流 3×0.003A 等级:0.05 级 | | | | | | | | |
|--|----|----|-------|--|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0215,+0.0232,+0.0240,+0.0234,+0.0217 | +0.02276 | +0.025 | / | |
| 2 | Ib | 合相 | 0.5L | +0.0106,+0.0104,+0.0142,+0.0109,+0.00133 | +0.01188 | +0.010 | / | |
| 3 | Ib | 合相 | 0.25L | -0.1076,-0.1186,-0.1167,-0.0983,-0.1347 | -0.11518 | -0.115 | / | |

| 基本误差 接线方式:三相四线无功 负载:最小 电压:3×220/380V 电流 3×0.0003A 等级:0.05 级 | | | | | | | | |
|---|----|----|------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.1547,+0.1143,+0.1454,+0.1552,+0.1169 | +0.13730 | +0.135 | / | |
| 2 | Ib | 合相 | 0.5L | -0.1749,-0.2114,-0.2366,-0.1572,-0.1735 | -0.19072 | -0.190 | / | |

| 基本误差 接线方式:三相四线无功 负载:最小 电压:3×57.7/100V 电流 3×5A 等级:0.05 级 | | | | | | | | |
|---|----|--------|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0067,+0.0070,+0.0067,+0.0065,+0.0062 | +0.00662 | +0.005 | / | |
| 2 | Ib | 合相 | 0.5L | -0.0011,-0.0015,-0.0008,-0.0014,-0.0015 | -0.00126 | -0.000 | / | |
| 3 | Ib | 合相 | 0.25L | -0.0153,-0.0164,-0.0152,-0.0162,-0.0164 | -0.01590 | -0.015 | / | |
| 4 | Ib | A 相不平衡 | 1.0 | +0.0098,+0.0090,+0.0080,+0.0074,+0.084 | +0.00852 | +0.010 | / | |

| | | | | | | | |
|----|----|--------|-------|---|----------|--------|---|
| 5 | Ib | A 相不平衡 | 0.5L | +0.0039,+0.0016,+0.0044,+0.0030,+0.0027 | +0.00312 | +0.005 | / |
| 6 | Ib | A 相不平衡 | 0.25L | -0.0110,-0.0050,-0.0122,-0.0076,-0.0110 | -0.0936 | -0.010 | / |
| 7 | Ib | B 相不平衡 | 1.0 | +0.0041,+0.0045,+0.0056,+0.0062,+0.0065 | +0.00538 | +0.005 | / |
| 8 | Ib | B 相不平衡 | 0.5L | +0.0006,+0.0013,+0.0022,+0.0012,+0.0025 | +0.00156 | +0.000 | / |
| 9 | Ib | B 相不平衡 | 0.25L | -0.0133,-0.0134,-0.0152,-0.0147,-0.0123 | -0.01378 | -0.015 | / |
| 10 | Ib | C 相不平衡 | 1.0 | +0.0035,+0.0042,+0.0048,+0.0056,+0.0044 | +0.00450 | +0.005 | / |
| 11 | Ib | C 相不平衡 | 0.5L | -0.0046,-0.0057,-0.0074,-0.0056,-0.0079 | -0.00624 | -0.005 | / |
| 12 | Ib | C 相不平衡 | 0.25L | -0.0265,-0.0296,-0.0305,-0.0285,-0.0324 | -0.02950 | -0.030 | / |

| 基本误差 接线方式:三相三线无功 负载:最小 电压:3×100V 电流 3×5A 等级:0.05 级 | | | | | | | | |
|--|----|--------|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0065,+0.0068,+0.0078,+0.0068,+0.0075 | +0.00708 | +0.005 | / | |
| 2 | Ib | 合相 | 0.5L | +0.0075,+0.0053,+0.0070,+0.0073,+0.0069 | +0.0068 | +0.005 | / | |
| 3 | Ib | 合相 | 0.25L | +0.0065,+0.0053,+0.0052,+0.0064,+0.0071 | +0.00610 | +0.005 | / | |
| 4 | Ib | A 相不平衡 | 1.0 | +0.0092,+0.0093,+0.0085,+0.0092,+0.0083 | +0.00890 | +0.010 | / | |
| 5 | Ib | A 相不平衡 | 0.5L | +0.0066,+0.0082,+0.0097,+0.0103,+0.0076 | +0.00848 | +0.010 | / | |
| 6 | Ib | A 相不平衡 | 0.25L | +0.0045,+0.0103,+0.0049,+0.0082,+0.0061 | 0.00680 | +0.005 | / | |
| 7 | Ib | C 相不平衡 | 1.0 | +0.0058,+0.0057,+0.0061,+0.0058,+0.0044 | +0.00556 | +0.005 | / | |
| 8 | Ib | C 相不平衡 | 0.5L | +0.0009,+0.0036,+0.0017,+0.0038,+0.0028 | +0.00256 | +0.005 | / | |
| 9 | Ib | C 相不平衡 | 0.25L | -0.0063,-0.0060,-0.0062,-0.0050,-0.0071 | -0.00612 | -0.005 | / | |

| 基本误差 接线方式:三相三线无功 负载:最小 电压:3×380V 电流 3×5A 等级:0.05 级 | | | | | | | | |
|--|----|--------|-------|---|----------|--------|--------|--|
| 序号 | 负载 | 相别 | 相位 | 原始值(%) | 平均值(%) | 化整值(%) | S 值(%) | |
| 1 | Ib | 合相 | 1.0 | +0.0113,+0.0109,+0.0107,+0.0108,+0.0103 | +0.01100 | +0.010 | / | |
| 2 | Ib | 合相 | 0.5L | +0.0091,+0.0114,+0.0096,+0.0106,+0.0096 | +0.01006 | +0.010 | / | |
| 3 | Ib | 合相 | 0.25L | +0.0109,+0.0071,+0.0081,+0.0058,+0.0063 | +0.00764 | +0.010 | / | |
| 4 | Ib | A 相不平衡 | 1.0 | +0.0112,+0.0125,+0.0125,+0.0116,+0.0124 | +0.01204 | +0.010 | / | |
| 5 | Ib | A 相不平衡 | 0.5L | +0.0100,+0.0120,+0.0102,+0.0113,+0.0091 | +0.01052 | +0.010 | / | |
| 6 | Ib | A 相不平衡 | 0.25L | +0.0021,+0.0032,+0.0065,+0.0048,+0.0061 | 0.00454 | +0.005 | / | |
| 7 | Ib | C 相不平衡 | 1.0 | +0.0090,+0.0083,+0.0094,+0.0074,+0.0071 | +0.00824 | +0.010 | / | |
| 8 | Ib | C 相不平衡 | 0.5L | +0.0044,+0.0063,+0.0050,+0.0046,+0.0051 | +0.00508 | +0.005 | / | |
| 9 | Ib | C 相不平衡 | 0.25L | -0.0063,-0.0049,-0.0033,-0.0056,-0.0026 | -0.00454 | -0.005 | / | |

9.6 结论

试验结果表明规程检定项目和技术要求合理、检定方法正确，可操作性较强。

10 确定装置的测量重复性

10.1 试验方法

试验采用 JJG597-202X 中 7.3.12 对被检装置进行检定。

10.2 所用计量标准

| 名称 | 测量范围 | 准确度 | 编号 |
|-----------|---|--------|--------|
| 三相标准功率电能表 | $3 \times (30 \sim 480) \text{ V}$, $3 \times (0.1 \sim 200) \text{ A}$ | 0.01 级 | 300394 |

10.3 被检交流电能表装置

| 设备名称 | 型号 | 技术指标 | 设备编号 | 生产厂家 |
|---------------|------------|--|----------|--------------|
| 三相电能表 检定装置 | DZ603-24ZN | $3 \times (57.7 \sim 380) \text{ V}$, $3 \times (0.0003 \sim 100) \text{ A}$, 0.05 级 | X3K004K | 郑州三晖电气股份有限公司 |
| 三相电能表 检定装置 | TD3600 | $3 \times (57.7 \sim 380) \text{ V}$, $3 \times (0.1 \sim 100) \text{ A}$, 0.02 级 | 02177606 | 长沙天恒测控技术有限公司 |
| 三相电能表 检定装置 | YES-10000 | $3 \times (57.7 \sim 380) \text{ V}$, $3 \times (0.05 \sim 100) \text{ A}$ 0.01 级 | 2005.01 | 河南省计量科学研究院 |

10.4 试验条件

环境温度：(21.0~25.0) °C

相对湿度：45%~75%

10.5 试验结果

电压 $3 \times 220 \text{ V}$ 电流 $3 \times 5 \text{ A}$

| 相别 | $\cos\phi$ | No.X3K004K 测量误差 (%) | | | | | S(%) |
|-----|------------|---------------------|---------|---------|---------|---------|--------|
| A | 1.0 | 0.0013 | 0.0013 | 0.0047 | 0.0013 | 0.0047 | 0.0020 |
| | 0.5L | -0.0073 | -0.0073 | -0.0107 | -0.0073 | -0.0040 | 0.0025 |
| B | 1.0 | -0.0040 | -0.0107 | -0.0073 | -0.0107 | -0.0107 | 0.0030 |
| | 0.5L | -0.0167 | -0.0167 | -0.0200 | -0.0200 | -0.0233 | 0.0030 |
| C | 1.0 | 0.0000 | -0.0033 | 0.0000 | -0.0033 | -0.0033 | 0.0020 |
| | 0.5L | -0.0053 | -0.0053 | -0.0053 | -0.0020 | -0.0053 | 0.0015 |
| ABC | 1.0 | 0.0007 | 0.0040 | 0.0007 | 0.0040 | 0.0040 | 0.0020 |
| | 0.5L | -0.0101 | -0.0118 | -0.0107 | -0.0093 | -0.0120 | 0.0010 |

电压 $3 \times 220 \text{ V}$ 电流 $3 \times 5 \text{ A}$

| 相别 | $\sin\phi$ | No.X3K004K 测量误差 (%) | | | | | S(%) |
|-----|------------|---------------------|---------|---------|---------|---------|-------|
| A | 1.0 | -0.0192 | -0.0204 | -0.0192 | -0.0204 | -0.0216 | 0.001 |
| | 0.5L | -0.0324 | -0.0324 | -0.0336 | -0.0324 | -0.0336 | 0.001 |
| B | 1.0 | -0.0144 | -0.0156 | -0.0144 | -0.0156 | -0.0156 | 0.001 |
| | 0.5L | -0.0252 | -0.0264 | -0.0264 | -0.0264 | -0.0252 | 0.001 |
| C | 1.0 | -0.0228 | -0.0216 | -0.0228 | -0.0216 | -0.0216 | 0.001 |
| | 0.5L | -0.0271 | -0.0246 | -0.0276 | -0.0262 | -0.0236 | 0.002 |
| ABC | 1.0 | -0.0192 | -0.0192 | -0.0180 | -0.0192 | -0.0192 | 0.001 |
| | 0.5L | -0.0276 | -0.0264 | -0.0276 | -0.0276 | -0.0252 | 0.001 |

电压 $3 \times 220V$

电流 $3 \times 5A$

| 相别 | $\cos\phi$ | No.02177606 测量误差 (%) | | | | | S(%) |
|-----|------------|----------------------|--------|--------|--------|--------|--------|
| A | 1.0 | 0.0069 | 0.0080 | 0.0083 | 0.0074 | 0.0064 | 0.0008 |
| | | 0.0081 | 0.0077 | 0.0063 | 0.0075 | 0.0087 | |
| | 0.5L | 0.0123 | 0.0151 | 0.0148 | 0.0128 | 0.0152 | 0.0014 |
| | | 0.0122 | 0.0121 | 0.0127 | 0.0126 | 0.0150 | |
| B | 1.0 | 0.0082 | 0.0097 | 0.0084 | 0.0076 | 0.0085 | 0.0010 |
| | | 0.0079 | 0.0101 | 0.0091 | 0.0073 | 0.0078 | |
| | 0.5L | 0.0144 | 0.0137 | 0.0158 | 0.0156 | 0.0159 | 0.0010 |
| | | 0.0140 | 0.0167 | 0.0139 | 0.0152 | 0.0143 | |
| C | 1.0 | 0.0052 | 0.0057 | 0.0051 | 0.0064 | 0.0063 | 0.0008 |
| | | 0.0043 | 0.0065 | 0.0049 | 0.0052 | 0.0055 | |
| | 0.5L | 0.0092 | 0.0101 | 0.0087 | 0.0064 | 0.0082 | 0.0014 |
| | | 0.0099 | 0.0072 | 0.0109 | 0.0106 | 0.0091 | |
| ABC | 1.0 | 0.0088 | 0.0082 | 0.0088 | 0.0093 | 0.0089 | 0.0006 |
| | | 0.0081 | 0.0078 | 0.0076 | 0.0080 | 0.0080 | |
| | 0.5L | 0.0131 | 0.0130 | 0.0137 | 0.0129 | 0.0135 | 0.0004 |
| | | 0.0122 | 0.0130 | 0.0127 | 0.0132 | 0.0125 | |

电压 $3 \times 220V$ 电流 $3 \times 5A$ 无功

| 相别 | $\sin\varphi$ | No.02177606 测量误差 (%) | | | | | S(%) |
|-----|---------------|----------------------|---------|---------|---------|---------|--------|
| | | | | | | | |
| A | 1.0 | 0.0092 | 0.0094 | 0.0093 | 0.0106 | 0.0096 | 0.0005 |
| | 0.5L | 0.0015 | 0.0017 | 0.0024 | 0.0018 | 0.0015 | 0.0005 |
| B | 1.0 | 0.0070 | 0.0081 | 0.0073 | 0.0064 | 0.0076 | 0.0005 |
| | 0.5L | -0.0014 | -0.0008 | -0.0025 | -0.0006 | -0.0021 | 0.0010 |
| C | 1.0 | 0.0051 | 0.0054 | 0.0046 | 0.0047 | 0.0058 | 0.0005 |
| | 0.5L | -0.0008 | -0.0004 | 0.0011 | 0.0000 | 0.0003 | 0.0005 |
| ABC | 1.0 | 0.0076 | 0.0077 | 0.0073 | 0.0076 | 0.0077 | 0.0005 |
| | 0.5L | 0.0001 | 0.0004 | -0.0005 | 0.0006 | -0.0001 | 0.0005 |

| 输出电压 | 输出电流 | 功率因数 | No.2005.01 测量重复性 (%) | | | |
|-----------------|---------------|----------------------|----------------------|--------|--------|--------|
| | | | A | B | C | ABC |
| $3 \times 220V$ | $3 \times 5A$ | $\cos\varphi = 1.0$ | 0.0002 | 0.0001 | 0.0001 | 0.0001 |
| | | $\cos\varphi = 0.5L$ | 0.0003 | 0.0002 | 0.0002 | 0.0002 |

10.6 结论

试验结果表明规程检定项目和技术要求合理、检定方法正确，可操作性较强。

11 确定多路输出的一致性

11.1 试验方法

试验采用 JJG597-202X 中 7.3.13 对被检装置进行检定。

11.2 所用计量标准

| 名称 | 测量范围 | 准确度 | 编号 |
|-----------|---|--------|--------|
| 三相标准功率电能表 | $3 \times (30 \sim 480) \text{ V}$, $3 \times (0.1 \sim 200) \text{ A}$ | 0.01 级 | 300394 |

11.3 被检交流电能表装置

| 设备名称 | 型号 | 技术指标 | 设备编号 | 生产厂家 |
|-----------|------------|--|-----------|--------------|
| 三相电能表检定装置 | DZ603-24ZN | $3 \times (57.7 \sim 380) \text{ V}$, $3 \times (0.0003 \sim 100) \text{ A}$, 0.05 级 | X3K004K | 郑州三晖电气股份有限公司 |
| 单相电能表检定装置 | HS-6103F | 220V, (0.1~100) A, 0.1 级 | SD1512019 | 海盐盛迪电子科技有限公司 |
| 三相电能表检定装置 | TD3600 | $3 \times (57.7 \sim 380) \text{ V}$, $3 \times (0.1 \sim 100) \text{ A}$, 0.02 级 | 02177606 | 长沙天恒测控技术有限公司 |

11.4 试验条件

环境温度: (21.0~25.0) °C

相对湿度: 45%~75%

11.5 试验结果

No.X3K004K (24 表位)

| 接线类型 | 输出 | 表位 | 功率因数 | 测试结果 (%) | | 平均值 (%) | 最大变差 (%) | | |
|------|--|-----|---|----------|---------|---------|----------|--|--|
| | | | | 第一次 | 第二次 | | | | |
| 三相四线 | $3 \times 220 \text{ V}$ $3 \times 5 \text{ A}$ | 1# | 1.0 | -0.0031 | -0.0055 | -0.0043 | / | | |
| | | | 0.5L | -0.0015 | -0.0031 | -0.0023 | / | | |
| | | 6# | 1.0 | -0.0039 | -0.0039 | -0.0039 | / | | |
| | | | 0.5L | -0.0031 | -0.0023 | -0.0027 | 0.0011 | | |
| | | 12# | 1.0 | -0.0039 | -0.0055 | -0.0047 | / | | |
| | | | 0.5L | -0.0031 | -0.0007 | -0.0019 | / | | |
| | | 18# | 1.0 | -0.0055 | -0.0047 | -0.0051 | 0.0012 | | |
| | | | 0.5L | -0.0015 | -0.0023 | -0.0019 | / | | |
| | | 24# | 1.0 | -0.0043 | -0.0039 | -0.0041 | / | | |
| | | | 0.5L | -0.0017 | -0.0015 | -0.0016 | / | | |
| | | 结果 | $\cos\varphi=1$ 时最大变差 $0.0011\% < 0.015\%$; $\cos\varphi=0.5\text{L}$ 时最大变差 $0.0012\% < 0.021\%$ 。 | | | | | | |

No.SD1512019（48表位）

| 接线类型 | 输出 | 表位 | 功率 因数 | 测试结果（%） | | 平均值 （%） | 最大变差 （%） | | |
|------|------------|-----|---|---------|---------|------------|-------------|--|--|
| | | | | 第一次 | 第二次 | | | | |
| 单相 | 220V 5A | 1# | 1.0 | 0.0133 | 0.0200 | 0.0167 | / | | |
| | | | 0.5L | -0.0333 | -0.0266 | -0.0300 | / | | |
| | | 8# | 1.0 | 0.0000 | 0.0000 | 0.0000 | / | | |
| | | | 0.5L | -0.0333 | -0.0400 | -0.0367 | / | | |
| | | 15# | 1.0 | 0.0066 | 0.0133 | 0.0100 | / | | |
| | | | 0.5L | -0.0200 | -0.0200 | -0.0200 | / | | |
| | | 22# | 1.0 | 0.0066 | 0.0066 | 0.0066 | / | | |
| | | | 0.5L | -0.0200 | -0.0200 | -0.0200 | / | | |
| | | 29# | 1.0 | 0.0066 | 0.0133 | 0.0100 | / | | |
| | | | 0.5L | -0.0133 | -0.0200 | -0.0167 | 0.0200 | | |
| | | 36# | 1.0 | 0.0066 | 0.0066 | 0.0066 | 0.0101 | | |
| | | | 0.5L | -0.0266 | -0.0266 | -0.0266 | / | | |
| | | 48# | 1.0 | 0.0133 | 0.0166 | 0.0100 | / | | |
| | | | 0.5L | -0.0266 | -0.0333 | -0.0300 | / | | |
| | | 结果 | cosφ=1 时最大变差 0.0101% < 0.03%； cosφ=0.5L 时最大变差 0.0200% < 0.045%。 | | | | | | |

No.02177606（6表位）

| 接线类型 | 输出 | 表位 | 功率 因数 | 测试结果（%） | | 平均值 （%） | 最大变差 （%） |
|------|--|----|----------|---------|--------|------------|-------------|
| | | | | 第一次 | 第二次 | | |
| 三相四线 | 3×220V 3×5A | 1# | 1.0 | 0.0088 | 0.0080 | 0.0084 | / |
| | | | 0.5L | 0.0131 | 0.0137 | 0.0134 | 0.0004 |
| | | 4# | 1.0 | 0.0088 | 0.0082 | 0.0085 | / |
| | | | 0.5L | 0.0127 | 0.0132 | 0.0130 | / |
| | | 6# | 1.0 | 0.0082 | 0.0089 | 0.0086 | 0.0002 |
| | | | 0.5L | 0.0130 | 0.0137 | 0.0134 | / |
| 结果 | cosφ=1 时最大变差 0.0002% < 0.0006%； cosφ=0.5L 时最大变差 0.0004% < 0.0006%。 | | | | | | |

11.6 结论

试验结果表明规程检定项目和技术要求合理、检定方法正确，可操作性较强。