

SAMPLE

検査成績表
<TEST REPORT>

品名 <Model Name> (超絶縁計)
(<SUPER MEGOHM METER>)
 形名 <Model Number> (SM7110)
 製造番号 <Serial No.> (No. 160422671)
 検査年月日 <Test Date> (2016-06-27)
 (<YYYY-MM-DD>)
 検査条件 <Test Condition> (26.3 °C, 50 %rh)

1. 容量測定確度 (コンタクトチェック) <Capacity Measurement Accuracy (Contact Check)>

| 出力<Output> <Voltage Freq.> | | ワーク <Work> | 入力<Input> <Capacitance> | 許容範囲 <Tolerance> | | 校正値 *1 <Calibration Value> |
|-------------------------------|--------|---------------|----------------------------|---------------------|-------------|-------------------------------|
| 10V | 300kHz | LOW | 10pF | 7.900 pF | ~ 12.100 pF | (10.781 pF) |
| | | NORMAL | 82pF | 65.500 pF | ~ 98.500 pF | (87.351 pF) |

2. 電圧測定確度 <Voltage Measurement Accuracy>

| レンジ <Range> | 入力<Input> <Voltage> | 許容範囲 <Tolerance> | | 校正値 *1 <Calibration Value> |
|----------------|------------------------|---------------------|-----------|-------------------------------|
| 10V | 0.1V | 0.098 V | ~ 0.102 V | (0.100 V) |
| | 9V | 8.996 V | ~ 9.004 V | (9.000 V) |
| 100V | 10V | 9.98 V | ~ 10.02 V | (10.00 V) |
| | 90V | 89.96 V | ~ 90.04 V | (90.00 V) |
| 1000V | 100V | 99.8 V | ~ 100.2 V | (100.0 V) |
| | 900V | 899.6 V | ~ 900.4 V | (900.0 V) |

3. 電圧発生確度 <Voltage Generation Accuracy>

| レンジ <Range> | 出力電圧 <Voltage Output> | 許容範囲 <Tolerance> | | 校正値 *1 <Calibration Value> |
|----------------|--------------------------|---------------------|------------|-------------------------------|
| 10V | 1V | 0.994 V | ~ 1.006 V | (1.001 V) |
| | 10V | 9.985 V | ~ 10.015 V | (10.001 V) |
| 100V | 11V | 10.94 V | ~ 11.06 V | (11.00 V) |
| | 100V | 99.85 V | ~ 100.15 V | (100.00 V) |
| 1000V | 101V | 100.4 V | ~ 101.6 V | (101.0 V) |
| | 1000V | 998.5 V | ~ 1001.5 V | (1000.0 V) |

備考<Note>

*1. FAIL判定箇所は、グレー表示としています。<FAIL decision points are highlighted in gray.>

*2. 調整検査モードを設定することにより、表示範囲外の値の表示を許可しています。

<Turning on adjusting and testing mode enables the unit to display the values that are out of the display range.>

| 総合判定<Overall Result> | 検査者<Inspected By> | 承認者<Approved By> |
|----------------------|-------------------|------------------|
| (PASS) | () | () |

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製造番号 <Serial No.> (No. 160422671)
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4. 電流リミッタ確度 (測定系) <Current Limiter Accuracy (Measurement)>

| 出力電圧 <Voltage Output> | 設定電流 <Current Setting> | 許容範囲 <Tolerance> | | 校正値 *1 <Calibration Value> |
|--------------------------|---------------------------|---------------------|----------|-------------------------------|
| 250V | 5mA | 4.50 mA ~ | 5.50 mA | (5.00 mA) |
| | 10mA | 9.00 mA ~ | 11.00 mA | (10.10 mA) |
| | 50mA | 45.00 mA ~ | 55.00 mA | (50.14 mA) |
| 1000V | 5mA | 4.50 mA ~ | 5.50 mA | (5.00 mA) |
| | 10mA | 9.00 mA ~ | 11.00 mA | (10.11 mA) |

5. 電流リミッタ (充電系) <Current Limiter Accuracy (Charge)>

| 出力電圧 <Voltage Output> | 設定電流 (充電系) <Current Setting (Charge)> | 許容範囲 <Tolerance> | | 校正値 *1 <Calibration Value> |
|--------------------------|--|---------------------|----------|-------------------------------|
| 250V | 10mA (5mA) | 4.50 mA ~ | 5.50 mA | (5.00 mA) |
| | 50mA (45mA) | 40.50 mA ~ | 49.50 mA | (44.92 mA) |
| 1000V | 10mA (5mA) | 4.50 mA ~ | 5.50 mA | (5.00 mA) |

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6. 電流測定精度 <Current Measurement Accuracy>

| 測定速度 <Speed> | レンジ <Range> | 入力 <Input> <Current/ (Resistance/Voltage)> | | 許容範囲 <Tolerance> | | 校正値 *1, *2 <Calibration Value> | | |
|-----------------|----------------|---|-------|---------------------|------------|-----------------------------------|------------|---------------|
| SLOW2 | 20pA | 2pA | 100GΩ | 0.2V | 1.9570 pA | ~ | 2.0430 pA | (2.0051 pA) |
| | | 20pA | 100GΩ | 2V | 19.5970 pA | ~ | 20.4030 pA | (20.0155 pA) |
| | 200pA | 20pA | 100GΩ | 2V | 19.770 pA | ~ | 20.230 pA | (20.028 pA) |
| | | 200pA | 10GΩ | 2V | 197.970 pA | ~ | 202.030 pA | (200.023 pA) |
| | 2nA | 0.2nA | 100GΩ | 20V | 0.19880 nA | ~ | 0.20120 nA | (0.20031 nA) |
| | | 2nA | 10GΩ | 20V | 1.98980 nA | ~ | 2.01020 nA | (2.00081 nA) |
| | 20nA | 2nA | 10GΩ | 20V | 1.9890 nA | ~ | 2.0110 nA | (2.0008 nA) |
| | | 20nA | 1GΩ | 20V | 19.8990 nA | ~ | 20.1010 nA | (20.0011 nA) |
| | 200nA | 20nA | 1GΩ | 20V | 19.890 nA | ~ | 20.110 nA | (19.988 nA) |
| | | 200nA | 100MΩ | 20V | 198.990 nA | ~ | 201.010 nA | (199.984 nA) |
| | 2μA | 0.2μA | 100MΩ | 20V | 0.19890 μA | ~ | 0.20110 μA | (0.19996 μA) |
| | | 2μA | 10MΩ | 20V | 1.98990 μA | ~ | 2.01010 μA | (1.99945 μA) |
| | 20μA | 2μA | 10MΩ | 20V | 1.9890 μA | ~ | 2.0110 μA | (1.9983 μA) |
| | | 20μA | 1MΩ | 20V | 19.8990 μA | ~ | 20.1010 μA | (19.9842 μA) |
| | 200μA | 20μA | 10MΩ | 200V | 19.890 μA | ~ | 20.110 μA | (19.996 μA) |
| | | 200μA | 1MΩ | 200V | 198.990 μA | ~ | 201.010 μA | (200.046 μA) |
| FAST | 2mA | 0.2mA | 1MΩ | 200V | 0.19870 mA | ~ | 0.20130 mA | (0.19982 mA) |
| | | 2mA | 100kΩ | 200V | 1.98970 mA | ~ | 2.01030 mA | (2.00158 mA) |
| FAST2 | 20nA | 2nA | 10GΩ | 20V | 1.9870 nA | ~ | 2.0130 nA | (2.0007 nA) |
| | | 20nA | 1GΩ | 20V | 19.8970 nA | ~ | 20.1030 nA | (20.0006 nA) |
| MED | 20nA | 2nA | 10GΩ | 20V | 1.9880 nA | ~ | 2.0120 nA | (2.0009 nA) |
| | | 20nA | 1GΩ | 20V | 19.8980 nA | ~ | 20.1020 nA | (20.0010 nA) |
| SLOW | 20nA | 2nA | 10GΩ | 20V | 1.9885 nA | ~ | 2.0115 nA | (2.0006 nA) |
| | | 20nA | 1GΩ | 20V | 19.8985 nA | ~ | 20.1015 nA | (20.0032 nA) |

7. D/A出力精度 <D/A Output Accuracy>

| 設定電圧 <Voltage Setting> | 許容範囲 <Tolerance> | | 校正値 *1 <Calibration Value> |
|---------------------------|---------------------|------------|-------------------------------|
| 0V | -0.0040 V | ~ 0.0040 V | (0.0007 V) |
| 2V | 1.9960 V | ~ 2.0040 V | (1.9997 V) |