

4000



## Technical data

| Basic error and function under basic condition |               |                 |                      |
|------------------------------------------------|---------------|-----------------|----------------------|
| Target                                         | Measure range | Resolving power | Basic error          |
| Voltage                                        | 20V           | 0.01V           | $\pm(1.2\%rdg+2dgt)$ |
|                                                | 200V          | 0.1V            |                      |
|                                                | 500V          | 1V              |                      |
| Current                                        | 200mA         | 0.1mA           | $\pm(1.0\%rdg+2dgt)$ |
|                                                | 2A            | 1mA             |                      |
|                                                | 10A           | 10mA            |                      |
|                                                | Phase         | 0~360°          |                      |
|                                                |               | 1°              | $\pm 3^\circ$        |

| Basic Condition and Work condition      |                                                |                |              |
|-----------------------------------------|------------------------------------------------|----------------|--------------|
| Target                                  | Basic condition                                | Work condition | Remark       |
| Environment Temperature                 | 23°C $\pm$ 1°C                                 | -10°C~40°C     |              |
| Environment Humidity                    | 40%~60%                                        | <85%           |              |
| Function wave                           | Sine wave                                      | Sine wave      | $\beta=0.05$ |
| Function frequency                      | 50Hz $\pm$ 1Hz                                 | 45Hz~65Hz      |              |
| Work Voltage                            | 9V $\pm$ 0.1V                                  | 9V $\pm$ 1V    |              |
| External electric field, magnetic field | Must avoid                                     |                |              |
| Place of measured lead                  | At the approximate geomtric center of the jam. |                |              |

| Standard accessories |                                         |
|----------------------|-----------------------------------------|
| Instrument box       | 1                                       |
| Current clamp        | 2                                       |
| Test leads           | 4 (2 red and 2 black)                   |
| Battery              | 6 (Alkalinescence dry battery: 1.5V AA) |
| Instruction          | 1                                       |

| Basic Function |              |                  |
|----------------|--------------|------------------|
| Function       | Range        | Accuracy         |
| AC voltage     | 0.1mA~299mA  | $\pm 1\%+3dgt$   |
|                | 0.30A~49.9A  | $\pm 1.5\%+5dgt$ |
|                | 50.0A~199.9A | $\pm 2\%+5dgt$   |
|                | 200A~600A    | $\pm 3\%+5dgt$   |
|                | 601A~1000A   | $\pm 4\%+5dgt$   |

| Special Function                 |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| Function                         | High and low voltage AC current test, creepage test, AC current monitoring online                     |
| Power                            | DC6V alkalinescence dry battery (1.5V AAA $\times$ 4) Auto power off                                  |
| Display mode                     | 4 bit LCD display, backlight function, suit for dark place                                            |
| Product size                     | 76mm $\times$ 255mm $\times$ 31mm                                                                     |
| Clamp size                       | $\Phi$ 48mm                                                                                           |
| Sampling rate                    | About 2 times/s                                                                                       |
| Shift                            | 0.1mA~1000A auto shift (test rate 50/60Hz)                                                            |
| Data hold                        | 99 Data hold                                                                                          |
| Circuit voltage                  | Under 23KV can test circuit voltage (use insulating rod)                                              |
| Weight                           | Resting benc about 335g(include battery),total weight:about 2.5Kg(include insulating rod and battery) |
| Working temperature and humidity | -10°C~40°C ; under 80%RH                                                                              |
| Store temperature and humidity   | -10°C~60°C ; under 70%RH                                                                              |
| Insulating rod size              | $\Phi$ 32mm, 1m/each batter (5battery)                                                                |
| Insulating strength              | AC 40kV/rms (between insulating rod and the clamp)                                                    |

9000



385+



## Surface Resistance Tester

| Specifications       | 385+                                        |
|----------------------|---------------------------------------------|
| Resistance range     | 103~1010 $\Omega$                           |
| Resistance error     | $\pm$ one order of magnitude                |
| temperature range    | 0~50°C (32~122°F)                           |
| Temperature accuracy | $\pm 2^\circ\text{C}/\pm 3.6^\circ\text{F}$ |
| Working temperature  | 0~40°C (32~104°F)                           |
| Storage temperature  | 0~60°C (32~140°F)                           |
| Relative humidity    | 0~70% RH (non condensing)                   |
| Backlight            | $\checkmark$                                |
| Power Supply         | 9V 6F22 battery                             |
| Automatic shutdown   | About 5 minutes                             |
| Size                 | 131*65*35mm                                 |
| Weight               | About 180g                                  |

| Special Function            |                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------|
| Function                    | High Voltage ACA Test Low Voltage ACA Test Leakage Current Test Online ACA Monitoring |
| Power                       | 6V Battery (1.5V AAA $\times$ 4)                                                      |
| Ways of Measuring           | Clamp Shape C.T. Integration                                                          |
| Transmission                | Wireless transmission Line transfer max. distance : Approx. 30m                       |
| Display Mode                | 4 digit LCD Display, Backlight Function Suitable for dusky occasions.                 |
| LCD Size                    | 47mm $\times$ 28.5mm                                                                  |
| Product Size                | 76mm $\times$ 255mm $\times$ 31mm                                                     |
| Clamp Size                  | $\Phi$ 48mm                                                                           |
| Sampling Rate               | Approx 2times/s                                                                       |
| Measuring Range             | 0.1mA~1000A (50/60Hz Automatically)                                                   |
| Resolution                  | 0.1mA                                                                                 |
| Gear Shift                  | 0.1mA~1000A Full automatic gear shift                                                 |
| Accuracy                    | 0.1mA~299mA: $\pm 1\%+3dgt$                                                           |
| (Below 23°C $\pm$ 5, 80%RH) | 0.30A~9.99A: $\pm 1.5\%+5dgt$                                                         |
|                             | 10.0A~199.9A: $\pm 2\%+5dgt$                                                          |
|                             | 200A~399A: $\pm 2.5\%+5dgt$                                                           |
|                             | 400A~600A: $\pm 3\%+5dgt$                                                             |
|                             | 601A~1000A: $\pm 4\%+5dgt$                                                            |
| Line Voltage                | Line test below 60KV                                                                  |
| Data Storage                | 99 sets of data can be stored in the process "MEM" sign indication                    |
| PEAK Hold                   | $\checkmark$                                                                          |
| Data Hold                   | $\checkmark$                                                                          |
| Data Scan                   | $\checkmark$                                                                          |
| Overflow Indication         | $\checkmark$                                                                          |
| No Sign Indication          | $\checkmark$                                                                          |
| Auto Power Off              | $\checkmark$                                                                          |
| Low Battery Indication      | $\checkmark$                                                                          |
| Operation Temperature       | -25°C~40°C; below 80%Rh                                                               |
| Storage Temperature         | -10°C~60°C; below 70%Rh                                                               |
| Insulating Bar Size         | $\Phi$ 32mm, 1m per node (five nodes)                                                 |
| Insulating Strength         | AC 100kV/rms (Between the fifth insulating bar and high voltage current clamp chip)   |
| Structure                   | Leak-Proof II                                                                         |

9000B

