



# GPS-8815D DIGITAL PRECISION MICRO-OHMMETER

GPS-8815D is an ultra-high-precision wide-range, high-performance ARM microprocessor-controlled resistance meter. Its measurement range of  $0.1\mu\Omega \sim 1.2G\Omega$ , the maximum display number 1,200,000. The sampling-rate is 220times/s(4.5ms).

Computer remote control commands compatible with SCPI (Standard Command for Programmable Instrument Programmable Instruments standard command set), complete and efficient remote control and data acquisition functions.



With its built-in comparator, the GPS-8815D can output comparison/decision results for sorting components into a maximum of ten bins. Furthermore, by using the handler interface, the GPS-8815D can be easily combined with a component handler, and a system controller to fully automate component testing, sorting, and quality-control data processing.

GPS-8815D measures of high, medium and low-value resistor; various switch contact resistance; connector contact resistance; relay line package and the contact resistance; transformers, inductors, motors, deflection coil winding resistance; wire resistance; cars, boats, aircraft riveting metal resistance; printed version of the line and pore of resistance and so on.

### Main Specification and Features:

- Display: True color TFT-LCD, Size: 3.5"
- Measurement Range:  $0.1\mu\Omega \sim 1200.00M\Omega$
- Measurement Speed: Max. 220 readers/second (4.5ms)
- Maximum Readers: 1,200,000
- Ranging: Auto, Hold and Nominal range.
- Correction Function: SHORT-CIRCUIT Clear Zero
- Comparator: Total 13 Bins, 10 bins GD, 3 bins HI/IN/LO <GPS-8815D>
- Beep Feature: OFF/GD/NG
- Trigger Mode: Internal, Manual, External and Bus Trigger.
- Built-in Interface: Handler interface, RS232 interface, Temperature Compensation interface.
- Programming language: SCPI, temperature compensation seature.
- Main supply: 198 ~ 240 Vac, 50Hz/15VA
- Dimension: 216mm x 88mm x 323mm (W H D) approx., weight: 4Kg

**Accessories:** Kelvin test clip, RS232 cable, software, certificate of calibration, power cord, user manual.

**Optional accessories:** 1metre cable clamp model CO4A



**Cable clamp CO4A**

RANGE	Maximum Readers	Resolution	ULTRA,FAST	MEDIUM	SLOW	TEST CURRENT	OPEN VOLTAGE	
0	10mΩ	12.0000mΩ	0.1μΩ	0.5%±5 digit	0.2%±5 digit	0.05%±3 digit	1A	<1V
1	100mΩ	120.000mΩ	1μΩ	0.1%±5 digit	0.05%±3 digit	0.01%±2 digit	1A	<1V
2	1Ω	1.000000 Ω	10μΩ	0.1%±5 digit	0.05%±3 digit	0.01%±2 digit	100mA	<1V
3	10Ω	12.00000 Ω	100μΩ	0.1%±5 digit	0.05%±3 digit	0.01%±2 digit	10mA	<1V
4	100Ω	120.0000 Ω	1mΩ	0.1%±5 digit	0.05%±3 digit	0.01%±2 digit	1mA	<5V
5	1kΩ	1.200000kΩ	10mΩ	0.1%±5 digit	0.05%±3 digit	0.01%±2 digit	1mA	<5V
6	10kΩ	12.00000kΩ	100mΩ	0.1%±5 digit	0.05%±3 digit	0.01%±2 digit	100μA	<5V
7	100kΩ	120.0000kΩ	1Ω	0.2%±5 digit	0.1%±3 digit	0.05%±2 digit	10μA	<5V
8	1MΩ	1.20000MΩ	10Ω	0.5%±5 digit	0.2%±5 digit	0.1%±5 digit	1μA	<10V
9	10MΩ	12.0000MΩ	100Ω	0.5%±5 digit	0.3%±5 digit	0.2%±5 digit	100nA	<10V
10	100MΩ	120.000MΩ	1kΩ	0.5%±5 digit	0.3%±5 digit	0.2%±5 digit	10nA	<10V
11	1GΩ	1200.00MΩ	10kΩ	1%±5 digit	0.8%±5 digit	0.5%±5 digit	1nA	<10V