



GPS

8815D



An ultra-high precision, wide-ranging, high performance ARM microprocessor-controlled resistance meter

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. The 8815D measures high, medium and low value resistors; transformers, inductors, motors, deflection coil winding resistance; wire resistance; cars, boats and aircraft riveting metal resistance; print line, pore resistance and many more. With the integration of computer remote control commands compatible with SCPI, the GPS-8815D gives the user complete and efficient remote control and data acquisition functions.

Key Features

- True colour TFT-LCD 3.5" display
- Measurement range of 0.1 $\mu\Omega$ to 1.2Giga
- Measurement speed of max. 220 readings/second (4.5ms)
- 3 test speeds: Fast. Medium and Slow
- Current range up to 1A
- Maximum display number of 1,200,000
- Auto, Hold and Nominal range
- SHORT-CIRCUIT Clear Zero correction function
- Comparator: total 13 Bins, 10 Bins GD, 3 BINS HI/IN/LO
- Beep feature OFF/GD/NG
- Internal, Manual, External and BUS trigger
- Handler interface, RS232 interface and temperature compensation interface
- SCPI programming language
- USB memory storage

Technical Specifications

Range		Max. Display Value	Resolution	Ultra-Fast	Medium	Slow	Test Current	Open Voltage
0	10mΩ	12.000mΩ	0.1μΩ	0.5% ±5dgts	0.2% ±5dgts	0.05% ±3dgts	1A	<1V
1	100mΩ	120.000mΩ	1μΩ	0.1% ±5dgts	0.05% ±3dgts	0.01% ±2dgts	1A	<1V
2	1Ω	1.000000Ω	10μΩ	0.1% ±5dgts	0.05% ±3dgts	0.01% ±2dgts	100mA	<1V
3	10Ω	12.000000Ω	100μΩ	0.1% ±5dgts	0.05% ±3dgts	0.01% ±2dgts	10mA	<1V
4	100Ω	120.00000Ω	1mΩ	0.1% ±5dgts	0.05% ±3dgts	0.01% ±2dgts	1mA	<5V
5	1kΩ	1.200000kΩ	10mΩ	0.1% ±5dgts	0.05% ±3dgts	0.01% ±2dgts	1mA	<5V
6	10kΩ	12.00000kΩ	100mΩ	0.1% ±5dgts	0.05% ±3dgts	0.01% ±2dgts	100μA	<5V
7	100kΩ	120.0000kΩ	1Ω	0.2% ±5dgts	0.1% ±3dgts	0.05% ±2dgts	10μA	<5V
8	1MΩ	1.20000MΩ	10Ω	0.5% ±5dgts	0.2% ±5dgts	0.1% ±5dgts	1μA	<10V
9	10MΩ	12.0000MΩ	100Ω	0.5% ±5dgts	0.3% ±5dgts	0.2% ±5dgts	100nA	<10V
10	100MΩ	120.000MΩ	1kΩ	0.5% ±5dgts	0.3% ±5dgts	0.2% ±5dgts	10nA	<10V
11	1GΩ	1200.00MΩ	10kΩ	1% ±5dgts	0.3% ±5dgts	0.5% ±5dgts	1nA	<10V

Standard Accessories

Kelvin test clip
 RS232 cable
 Software
 Calibration certificate
 Power cord
 User manual

Input Voltage

198 - 240 VAC, 50Hz/15VA

General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
GPS-8815D	Digital Precision Micro-Ohm Meter	621623
CO4A	Cable Clamp	902655

Dimensions

216 x 88 x 323mm / 8.5 x 3.5 x 12.7" (w x d x h) approx.

Mass

4kg/8.8lbs approx.

Services

1-year warranty (subject to product registration with GPS Ltd)

Visit www.gpslimited.com/register-product
 Service and calibration available.

Please contact for more information

www.gpslimited.com/8815D
 For all enquiries, Tel: +44 (0) 208 964 3600
 Email: info@gpslimited.com