



GPS

8815C



Encompassing all the features required in an ohm-meter in one practical instrument, offering flexibility in measurement with high accuracy and exceptional functionality

Automatic temperature compensation references the measurement to 20°C and HI/LO limits allows the sorting of components with a minimum amount of fuss. The GPS-8815C also has the option of an external temperature sensor that can be easily plugged into the back of the unit. All these functions are available as standard as well as 13 built-in comparators, HI/IN/LO/GD/NG display and output, adjustable beep and volume, three-mode trigger, RS232C and handler (PLC interface) as standard. The range of the GPD-8815C is ideally suited for laboratory testing of samples, production line testing and, with the addition of the Handler (PLC interface), the unit may be remotely controlled and integrated into an automated testing system. With different measuring currents available in 3 steps, the 8815C ensures a range suitable for your application.

Key Features

- True 4 terminal Kelvin/Thompson principle measurement eliminates lead resistance errors
- Measuring range from $1\mu\Omega$ to $20.000M\Omega$
- 10 automatic or manual ranges
- True zero capability
- Digital calibration
- Current range up to 1A
- Programmable current mode: High/Low/Pulse
- High accuracy of 0.05%
- Fast measuring capability of 80 measurements/second
- 13 built-in comparators, HI/LO limits
- 4 colour VFD graphics panel with backlight, 30,000 count
- Keypad lock function, data hold function
- Temperature compensation function with easy plug temp. sensor

Technical Specifications

Range		Max. Display Value	Resolution	Fast Mode	Medium & Slow Mode
1	0-30mΩ	30.00mΩ	1μΩ	0.1% ±2dgts	0.1% ±2dgts
2	300mΩ	300.00mΩ	10μΩ	0.1% ±2dgts	0.05% ±1dgt
3	3Ω	3.0000Ω	100μΩ	0.1% ±2dgts	0.05% ±1dgt
4	30Ω	30.000Ω	1mΩ	0.1% ±2dgts	0.05% ±1dgt
5	300Ω	300.00Ω	10mΩ	0.1% ±2dgts	0.05% ±1dgt
6	3kΩ	3.000kΩ	100mΩ	0.1% ±2dgts	0.05% ±1dgt
7	30kΩ	30.000kΩ	1Ω	0.1% ±2dgts	0.05% ±1dgt
8	300kΩ	300.00kΩ	10Ω	0.1% ±2dgts	0.05% ±1dgt
9	3MΩ	3.0000MΩ	100Ω	0.1% ±2dgts	0.05% ±1dgt
10	20MΩ	20.000MΩ	1kΩ	0.1% ±2dgts	0.05% ±1dgt

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-8815C	Digital Micro-Ohm Meter	621555
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

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