



GPS-8815C DIGITAL MICRO-OHMMETER

The GPS-8815C digital micro ohmmeter offers flexibility of measurement with high accuracy and exceptional functionality. The GPS-8815C encompasses all the features required in an ohmmeter in one practical instrument. This model has different measuring current in 3 steps, ensuring that we have a model in the range suitable for your application.

Automatic temperature compensation references the measurement to 20°C and HI/LO limits permits sorting of components with the minimum of fuss. The GPS-8815C has an external PRT100 temperature sensor, this is easy plugged into socket on the back of the unit.

All these functions are available as standard as well as a 13-built-in comparator, 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 GPS-8815C is ideally suited for laboratory testing of samples, production line testing, and with the addition of the Handler (PLC interface), the GPS-8815C may be remotely controlled and integrated into an automated testing system. When the units are used in the fast measuring mode they can easily do 80 measurement per second.



Features:

- ▶ True 4 terminal Kelvin/Thompson principle measurement eliminates lead resistance errors
- ▶ Measuring range from 30.000 mΩ to 20.000MΩ, 1μΩ resolution
- ▶ 10 Automatic or manual selection
- ▶ True zero capability
- ▶ Digital calibration
- ▶ Current range up to 1A
- ▶ Programmable current mode: High/Low/Pulse
- ▶ High accuracy: 0.05%
- ▶ Fast measuring capability of 80 measurement per second
- ▶ 13 built-in comparators, HI/LO limits
- ▶ Four-color VFD graphics panel with backlight 30,000 count
- ▶ keypad lock function, data hold function
- ▶ Temperature compensation function with easy-plugged temp. sensor

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



Cable clamp C04A

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 C04A