



GPS-212 / GPS-275

Large Jaw Clamp Meters



A 52 mm Jaw and a Multimeter in One Hand.

Two auto-ranging clamp meters with a 2 inch jaw, wide enough to take the cable sizes found on distribution boards, motor feeds and switchgear. Current reads to 1000 A without breaking the circuit, and voltage, resistance, capacitance, frequency, continuity and diode testing are all on the leads.

The GPS-212 measures AC current and carries the wider 10 MHz frequency counter. The GPS-275 adds DC current with a zero function, true RMS on AC voltage and current, temperature to 1000 °C, a 41-segment analogue bargraph and peak hold for catching motor starting current.

Both run from a single 9 V battery, hold a reading, light the display, protect against electronic overload and switch themselves off when left alone. Each is supplied with test leads and a carrying case.

KEY FEATURES

- 2 in (52 mm) jaw for large conductors
- 1000 A AC · AC and DC on the GPS-275
- True RMS on the GPS-275
- Temperature to 1000 °C · GPS-275
- Peak hold and 41-segment bargraph · GPS-275
- Non-contact voltage detector on both
- CAT III 1000 V · CAT IV 600 V · TÜV GS

IDEAL FOR

- Industrial plant and switchgear maintenance
- Electrical contracting and field service
- Wind, PV and other renewable installations
- Automotive and electric vehicle testing
- HVAC, process control and plant automation

TECHNICAL SPECIFICATIONS

Specification	GPS-212	GPS-275
Current measurement	AC	AC and DC, true RMS
AC current	1000 A · $\pm(2.5\% + 5 \text{ digits})$ · 10 mA resolution	
DC current	—	1000 A · $\pm(3.0\% + 4 \text{ digits})$ · 10 mA resolution
AC voltage	600 V · $\pm(0.8\% + 2 \text{ digits})$ · 0.1 mV resolution	
DC voltage	600 V · $\pm(1.0\% + 4 \text{ digits})$ · 0.1 mV resolution	
Resistance	40 M Ω · $\pm(1.0\% + 4 \text{ digits})$ · 0.1 Ω resolution	
Capacitance	100 μF $\pm(3.0\% + 5 \text{ digits})$	40 mF $\pm(3.0\% + 5 \text{ digits})$
Frequency	10 MHz $\pm(1.2\% + 3 \text{ digits})$	4 kHz $\pm(1.2\% + 3 \text{ digits})$
Duty cycle	0.1 to 99.0%	
Temperature	—	Up to 1000 °C / 1832 °F · $\pm(3.0\% + 5 \text{ digits})$
Continuity and diode	Buzzer and diode check	
Non-contact voltage	Built-in detector with indicator, above the jaw	
True RMS	—	AC voltage and AC current
Display	4000 counts, backlit	4000 counts, backlit
Analogue bargraph	—	41 segments
Data hold	Yes	Yes
Peak hold	—	Yes
Zero function for DC current	—	Yes
Electronic overload protection	Yes	Yes
Auto power off · low battery	Yes	Yes
Jaw opening	2 in (52 mm)	
Safety	EN 61010-1, EN 61010-2-031 and EN 61326 · CAT III 1000 V, CAT IV 600 V CE · TÜV Rheinland GS · pollution degree 2	
Power	1 × 9 V battery	
Dimensions (h × w × d)	271 × 100 × 47 mm	
Weight	508 g	

Ranging is automatic on every function. Resolution figures are the finest available, on the lowest range of each function. Accuracy is quoted at 23 ± 5 °C with relative humidity below 75%.



WHAT'S IN THE BOX

- Clamp meter, model as ordered
- Test leads
- Temperature probe, GPS-275 only
- 9 V battery
- Carrying case, supplied in a gift box

TEMPERATURE · The probe is supplied with the GPS-275; the GPS-212 does not measure temperature

GENERAL SPECIFICATIONS

Code	Item	Part Number
GPS-212	AC auto-ranging clamp meter, 52 mm jaw	460212
GPS-275	AC/DC auto-ranging true RMS clamp meter, 52 mm jaw	464275

SAFETY

EN 61010-1, EN 61010-2-031 and EN 61326 · CAT III 1000 V, CAT IV 600 V · electronic overload protection · pollution degree 2

DIMENSIONS

271 × 100 × 47 mm (h × w × d)

APPROVALS

CE · EMC and LVD · TÜV Rheinland GS certified

RANGING

Automatic on every function

POWER

1 × 9 V battery · auto power off · low battery indication

WEIGHT

508 g

WARRANTY

1 year, subject to product registration with GPS LTD

OVERLOAD

Electronic overload protection on every function