



GPS-230 / GPS-232

Mini Clamp Meters



A Jaw Small Enough to Reach the Conductor.

Two auto-ranging clamp meters built around a 23 mm jaw, small enough to get between conductors in a crowded panel where a full-size clamp will not fit. Current is read without breaking the circuit, and voltage, resistance, continuity and diode testing are on the leads.

The GPS-230 reads AC current across four ranges down to 1 mA resolution, which suits tracing small loads and confirming a circuit is dead. The GPS-232 measures AC and DC on a 4000-count display, adds a zero function for low-level DC work, and brings capacitance and frequency for motor, control and HVAC faults.

Both run from two AAA cells, hold a reading on the display, light the screen for work in a dark riser, and switch themselves off when left alone. Each is supplied with test leads and a carrying case.

KEY FEATURES

- 0.9 in (23 mm) jaw for tight panels
- AC to 400 A · AC and DC on the GPS-232
- 1 mA resolution on the GPS-230
- Zero function for low-level DC · GPS-232
- Capacitance and frequency · GPS-232
- Backlit display · data hold · auto power off

IDEAL FOR

- Crowded distribution boards and control panels
- HVAC and refrigeration service
- Automotive and electric vehicle DC work
- PV and battery systems
- Teaching, laboratories and general field service

TECHNICAL SPECIFICATIONS

Specification	GPS-230	GPS-232
Current measurement	AC	AC and DC
AC current ranges	2.000 / 20.00 / 200.0 / 400 A	40.00 / 400.0 A
AC current resolution	0.001 / 0.01 / 0.1 / 1 A	0.01 / 0.1 A
AC current accuracy	$\pm(3.0\% + 4 \text{ digits})$	
DC current ranges	—	40.00 / 400.0 A
DC current accuracy	—	$\pm(2.5\% + 5 \text{ digits})$
DC voltage	600 V · $\pm(0.5\% + 1 \text{ digit})$	
AC voltage	600 V · $\pm(1.5\% + 2 \text{ digits})$	
Resistance	20 M Ω · $\pm(3.0\% + 5 \text{ digits})$	40 M Ω · $\pm(3.0\% + 5 \text{ digits})$
Capacitance	—	100 μF · $\pm(2.5\% + 5 \text{ digits})$
Frequency	—	150 kHz · $\pm(1.2\% + 2 \text{ digits})$
Duty cycle	—	0.5 to 99.0%
Continuity	Buzzer sounds below 100 Ω	
Diode test	0.3 mA test current · 1.5 V open circuit	
Display	2000 counts, backlit	4000 counts, backlit
Data hold	Yes	Yes
Max hold	Yes	—
Zero function for DC current	—	Yes
Auto power off · low battery	Yes	Yes
Jaw size	0.9 in (23 mm)	

Ranging is automatic on every 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
- Two 1.5 V AAA batteries
- Carrying case, supplied in a gift box

BATTERIES · Two 1.5 V AAA cells, supplied

TEMPERATURE · Neither model measures temperature; the probe is for other variants in the range

GENERAL SPECIFICATIONS

Code	Item	Part Number
GPS-230	Mini AC auto-ranging clamp meter	470230
GPS-232	Mini AC/DC auto-ranging clamp meter	474232

SAFETY

EN 61010-1, EN 61010-2-031 and EN 61326 · CAT III 600 V · CE, EMC and LVD · pollution degree 2

DIMENSIONS

200 × 50 × 47 mm approx.

RANGING

Automatic on every function

POWER

2 × 1.5 V AAA alkaline · auto power off · low battery indication

MASS

0.2 kg approx.

WARRANTY

1 year, subject to product registration with GPS LTD