

# Clamp Meters



Figure 1 Model shown GPS-212

**GPS-212** AC Auto-Ranging Clamp Meter

**GPS-275** AC/DC Auto-Ranging T-Rms Clamp Meter

Confidently take reliable readings with the GPS-212/GPS-275 clamp meters. The extra wide jaw easily clamps around large conductors, typically found in high current applications. The rugged design CAT-IV 600V, CAT-III 1000V ratings add an extra element of protection when taking high-powered measurements. The measurement of capacitance, temperature (not available in GPS-212), resistance and frequency makes this a most versatile tool for utilities, electrical contractors and industrial service technicians.

## Key Features

- Large backlit display of 3999 counts
- T-RMS measurements (GPS-275) for AC Voltage and AC Current
- Built-in non-contact voltage detector
- Electronic Overload Protection
- Auto Power Off & Data Hold
- Low battery indicator
- 52mm clamp jaw opening size
- PEAK Hold function (GPS-275)
- With soft carrying case

## Ideal for

- Outdoor measuring
- Circuit measurements
- Wind power, PV power and other renewable energy equipment
- Automotive electronics/electric car testing
- Electric power systems
- Industrial scenarios of electric debug testing and measuring
- Education and science research
- Plant automation systems
- HVAC and process control

## Technical Specifications

Model	GPS-212	GPS-275
Digital Display Counts	4000	4000
Display with Backlight	YES	YES
True-RMS Measurements	NO	YES
Data Hold function	YES	YES
Electronic Overload Protection	YES	YES
Max. Hold function	NO	YES
Zero Function for DC current	----	YES
PEAK Hold function	NO	YES
Low battery indication	YES	YES
Auto Power off function	YES	YES
Analogue Bar graph	NO	YES
Non-contact Voltage Detection	YES	YES
AC/DC Current measurement	AC	AC/DC
Jaw size	2" (52mm)	2" (52mm)
DC Current /Resolution/ Accuracy	----	1000A / 0.01A/2.8%
AC Current /Resolution/ Accuracy	1000A / 0.01A/0.8%	1000A / 0.01A/2.8%
DC Voltage / Resolution / Accuracy	1000V / 0.1mV / $\pm 0.8\%$	600V / 0.1mV / $\pm 0.8\%$
AC Voltage / Resolution / Accuracy	1000V / 1mV / $\pm 1.5\%$	600V / 0.1mV / $\pm 1.0\%$
Resistance / Resolution / Accuracy	40M $\Omega$ / 0.1 $\Omega$ / $\pm 1.0\%$	40M $\Omega$ / 0.1 $\Omega$ / $\pm 1.0\%$
Capacitance / Resolution	100 $\mu$ F / 0.01nF	40mF / 0.001nF
Frequency / Resolution	9.99 MHz/0.001Hz	4KHz/0.001KHz
Duty cycle	0.1 to 99.0 %	0.1 to 99.0 %
Diode check/ Continuity test	YES/YES	YES/YES
Temperature measurement	----	-20 to 760°C

### Standard Accessories

Test leads  
 9V Battery  
 Temperature probe (GPS-275 only)  
 Soft carrying case  
 User manual



## General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
GPS-212	AC Auto-ranging Clamp Meter	460212
GPS-275	AC/DC Auto-ranging True-RMS Clamp Meter	464275

### Dimensions

271 x 100 x 35mm / 10.5 x 4 x 1.8" (w x d x h) approx.

### Mass

0.5kg/1.1lbs approx.

### Services

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

Visit [www.gpslimited.com/register-product](http://www.gpslimited.com/register-product)  
 Service and calibration available.

Please contact for more information

[www.gpslimited.com/ClampMeter](http://www.gpslimited.com/ClampMeter)  
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