



GPS

270



## 1000A DC / 800A AC TRUE RMS CLAMP METER

A high-quality DC & AC current clamp-on with 30ms MaxHold to capture in-rush currents and full industrial features for serious professionals. The extra rugged design and CAT III 600 V ratings add an extra element of user protection when taking high-powered measurements. The GPS-270 also measures voltage and resistance, making this an ideal clamp meter for utilities, electrical contractors and industrial service technicians.

### Key Features

- DC1000A/AC800A Clamp-on + full multimeter ranges
- 50mm Large jaws opening
- Full auto-ranging on all functions for ease of use
- 4000 counts high resolution; fast measurements
- •600VAC/DC input protection on all functions
- AC True RMS voltage and current functions
- Back light display
- 30ms Max HOLD to capture in-rush currents Data Hold
- Relative zero feature
- ACA 0.1 to 800A non-invasive current measurements
- Fast audible continuity
- Diode test
- Battery cover with probe holders
- Versatile, ergonomic and robust

# Technical Specifications

Accuracy is ± (% reading digits + number of digits) or otherwise specified, at 23°C±5°C & less than 75% R.H.

d=digits

Model		GPS-270					
DC Voltage	Range	400.0mV	4.000V	40.00V	400.0V	600V	
	Accuracy	0.3%+3d	0.5%+3d	0.5%+3d	0.5%+3d	1.0%+4d	
AC Voltage	Range (50/60Hz)	400.0mV	4.000V	40.00V	400.0V	600V	
	Accuracy	4.0%+4d	1.0%+4d	1.0%+4d	1.0%+4d	2.0%+4d	
ACA Current	Range	400.0A, 800A					
	Accuracy	1.5%+5d					
DCA Current	Range	400.0A, 1000A					
	Accuracy	2.0%+5d					
Ohm*	Range	400.0Ω	4.000KΩ	40.00KΩ	400.0KΩ	4.000MΩ	40.00MΩ
	Accuracy	0.8%+6d	0.6%+4d	0.6%+4d	0.6%+4d	1.0%+4d	2.0%+4d
Capacitance	Range	50.00nF	500nF	5.000μF	50.00μF	500.00μF	3000μF
	Accuracy	n/a	3.5%+6d	3.5%+6d	3.5%+6d	3.5%+6d	3.5%+6d
Diode Tester*	Open Circuit voltage	<1.6VDC					
	Test Current	0.4mA					

\*audible continuity tester: threshold between 10Ω and 120Ω

## Standard Accessories

Test leads  
Battery (1.5V AAA x2)  
Soft carrying case  
User manual

## Display

3 ¾ digits 4000 counts

## Update Rate

3 per second nominal

## Safety

Meets IEC61010- 2-032 category III  
600 volts AC& DC

## Transient Protection

6.5KV (1.2/50s surge)

## EMC

Meets EN61326(1997, 1998/A1).  
EN61000-4-2(1995) and EN61000-4-3(1996)

# General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
GPS-270	1000A DC/800A AC True RMS Clampmeter	452725

## Dimensions

224 x 78 x 40mm / 8.8 x 3 x 1.6" (w x d x h) approx.

## Mass

0.3kg/0.66lbs approx.

## Operation

0°C ~ 40°C  
R.H. Max 80%  
Below 2000m

## 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

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