



GPS

210



2000A AC TRUE RMS CLAMP METER

A smart and versatile tool for electricians with Autocheck, Ghost Voltage Buster and EF-Detection features. The extra rugged design and CAT III 600 V ratings add an extra element of user protection when taking high-powered measurements.

The GPS-210 also measures voltage and resistance, making this an ideal clamp meter for utilities, electrical contractors and industrial service technicians.

Key Features

- 2000A AC Clamp-on + full multimeter ranges
- 45mm large jaw opening
- Fully auto-ranging on all functions for ease of use 6000 counts high resolution; fast measurements
- 600VAC/DC input protection on all functions
- AC True RMS voltage and current functions Back light display
- Autocheck feature (automatic DCV, ACV, & Ohms selection)
- Data Hold
- Lo-Z Volts to drain ghost voltages (Auto-VO position) Non-contact EF-Detection (NCV)
- Probe-contact EF-Detection for more precise induction of live
- High voltage frequency with auto-ranging trigger levels
- Overload-Alert On > 600VAC/DC (Beeps & OL indication)
- Overload protections
- Ergonomic, robust design

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-210				
DC Voltage	Range	6.000V	60.00V	600.0V		
	Accuracy	0.5%+3d	1.0%+5d	2.0%+5d		
AC Voltage	Range (50/60Hz)	6.000V	60.00V	600.0V		
	Accuracy	1.5%+5d	1.5%+5d	2.0%+5d		
AC Current	Range	400.0A, 2000A				
	Accuracy	1.5%+5d				
Ohm*	Range	600.0Ω	6.000KΩ	60.00KΩ	600.0KΩ	6.000MΩ
	Accuracy	2.0%+8d	1.2%+6d	1.0%+4d	1.0%+4d	2.0%+4d
Capacitance	Range	100.0nF	1000nF	10.00μF	100.0μF	2000μF
	Accuracy	3.5%+5d	3.5%+5d	3.5%+5d	3.5%+5d	3.5%+5d
Frequency	Range	10~30KHz		10Hz~1KHz		10Hz~1KHz
	Voltage Range	6.000V		60.00V		600.0V
	Sensitivity	4V		30V		60V
Diode Tester**	Open Circuit voltage	<1.6VDC				
	Test Current	0.4mA				
NCV Non-contact EF detection	Typical Voltage	15V to 85V	40V to 130V	60V to 210V	90V to 300V	Above 120V
	Bar Indicator	-	--	---	----	-----
*audible continuity tester: threshold between 10Ω and 300Ω						
**audible threshold: between 0.0015V and 0.080V						

Standard Accessories

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

Display

3 5/6 digits 6000 counts

Update Rate

5 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-210	2000A AC True RMS Clampmeter	451020

Dimensions

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

Mass

0.2kg/0.5lbs 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
Service and calibration available.

Please contact for more information

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