

## MET1000 All in One True RMS Electrical Tester



- LED and LCD Display with self-test
- Detachable Test Probes
- AC/DC Voltage to 1000 V
- 200 A AC measurement
- True RMS on ACV/ACA
- Phase Rotation
- Single pole test
- Data Hold
- Measures voltage without batteries
- Complies with IEC/EN 61243-3:2014
- IP65

### DESCRIPTION

The Megger MET1000 is a multifunctional voltage and current tester providing electricians and electrical engineers with a versatile and robust hand-held all in one meter, with detachable test leads. Featuring both LED and LCD displays, it gives the user a 200 A AC and 1000 V AC/DC tester designed for everyday use. CAT IV 600 V / CAT III 1000 V rated, with an IP65 housing for added protection, it reduces the number of testers required in the professionals tool bag.

- Continuity to 50 K Ohms
- Auto power On/Off
- 9999 count digital display
- < 0.5s bar response time
- < 0.5s DCV reading response time
- White LED backlight display
- Input peak current < 3.5 m A @ 1000 V
- 16 mm width jaw size
- Auto polarity detection
- ELV Indication
- Carrying holster with belt loop
- Hand guard and streamline design
- Ø2 mm / Ø4 mm tips interchangeable
- LED Torch
- IP65
- CAT IV 600 V / CAT III 1000 V

### MULTIPLE TESTS:

In addition to the versatile auto-ranging voltage and continuity tests the Megger MET1000 has a built-in current clamp for AC current measurement to 200 A.

With TRMS AC measurements, a phase rotation test and single pole voltage test built in, the MET1000 is a truly versatile electrical tester, ideal for use in commercial, industrial and domestic environments. GS38 shrouds are provided as standard to ensure compliance with the latest standards.

A bright LED torch aids safe working in poorly lit conditions and with the added benefit of an IP65 casing - incorporating a protective finger guard - ergonomic design, instrument carrying holster and a simple to use probe mounting on the rear of tester all help to keep the user safe and the instrument protected.

Incorporating a comprehensive self-test feature, acoustic continuity and voltage indication, a maximum current draw of >3.5 m A to avoid unwanted tripping of RCD's/RCBO's and the ability to warn the operator of dangerous voltages, even when the batteries are exhausted, ensure the Megger MET1000 meets the practical demands of today's busy test technicians.

**SPECIFICATIONS**

(All at 23 °C ±5 °C, ≤ 80% R.H.)

**Sampling Rate:** 3 times/sec

**Input peak Current:**  
Is < 3.5 mA @ 1000 V

**ACA :** Ranges 200.0 A  
Resolution 0.1 A  
Basic Accuracy ±(3.0% +5 d)  
at 45 Hz~65 Hz

**ACV :** (w/ batteries) 6.0 V~999.9 V  
Range: (w/o batteries) 45 V~999.9 V  
Resolution 0.1 V  
Basic Accuracy ±(1.5% +5 d)  
at 45 Hz~400 Hz

**DCV :** (w/ batteries) 7.0 V~999.9 V  
Range: (w/o batteries) 35 V~999.9 V  
Resolution 0.1 V  
Basic Accuracy ±(1.0% +2 d)

**OHM :** Ranges 50 KΩ  
Basic Accuracy ±(1.5% +5 d)  
Resolution 1 Ω

**Continuity Beep:** <1.8 KΩ, 2.7 KHz tone buzzer

**Rotary Field Indication:**  
Sensitivity 90 V to 1000 V  
(Phase to earth)

**Frequency Range:**  
45 Hz to 6 5Hz

**Single-Pole Phase Check:**  
Sensitivity 90 V to 1000 V  
(45 Hz – 65 Hz Phase to earth)

**Dimensions:** 57 mm(W) x 220 mm (L) x 35 mm(H)

**Weight:** (with battery) 200g

**Bar Response time:**  
< 0.5s

**Reading response time:**  
< 0.5s

**Overload Indication:**  
“OL” or “-OL”

**Low Battery Indication**

**Auto Power Off:**  
30 seconds

**Indicator:** 2.7 kHz Tone Buzzer and ELV LED

**Battery Life:** (No backlit, Alkaline battery)  
1000 operations

**Operating Temperature:**  
-15 °C~55 °C, ≤80% RH

**Storage Temperature:**  
-20 °C ~ 60 °C

**Temperature Coefficient:**  
0.2 x (Spec. Acc) /°C, <18 °C or >28 °C

**Jaw Size:** 16 mm

**Power Requirement:**  
2 x AAA Size Battery  
(R03, LR03, 24D, 24A)

**International Standard:** IEC/EN 61243-3:2014

**Safety Standard:** IEC 61010-1, 61010-2-032,  
EN 61326-1  
CAT IV 600 V, CAT III 1000 V

**ORDERING INFORMATION**

Description	Part number	Optional Accessories
MET1000	1013-099	Euro spare metal tips (10 pcs supplied in bag) 2005-269
<b>Included Accessories</b>		UK GS38 spare tips 1013-361
Red and black probe lead set	1013-359	MPU690 proving unit 1001-561
Carry holster with belt loop	1013-360	

**SALES OFFICE**  
Megger Limited  
Archcliffe Road Dover  
CT17 9EN England  
T +44 (0) 1304 502101  
E UKsales@megger.com

**MET1000\_DS\_EN\_V03**  
www.megger.com  
ISO 9001  
The word 'Megger' is a registered trademark

