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
MET1000	1013-099
Included Accessories	
Red and black probe lead set	1013-359
Carry holster with belt loop	1013-360

Optional Accessories	
Euro spare metal tips (10 pcs supplied in bag)	2005-269
UK GS38 spare tips	1013-361
MPU690 proving unit	1001-561

The word 'Megger' is a registered trademark

Megger®