

## MET1000

### All in One True RMS Electrical Tester



- LED & LCD Display with self-test
- Detachable Test Probes
- AC/DC Voltage to 1000V
- 200A AC measurement
- True RMS on ACV/ACA
- Inrush Current
- 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 & 1000 V AC/DC tester designed for everyday use. CATIV 600 V/CATIII 1000 V rated, with an IP65 housing for added protection, it reduces the number of testers required in the professional's tool bag.

- Continuity to 50K Ohms
- Auto power On/Off
- 9999 count digital display
- < 0.5s bar response time
- < 0.5s DCV reading response time
- White LED auto backlight display
- Input peak current < 3.5m A @ 1000V
- 39mm width jaw size
- Up to 16mm diameter conductor
- Auto polarity detection
- ELV Indication
- Carrying holster with belt loop
- Hand guard and streamline design
- Ø2mm / Ø4mm 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 both inrush current 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 >3.5m 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:** 3times/sec  
**Input peak Current:** Is < 3.5m A@1000V

**ACA :** Ranges 200.0 A  
 Resolution 0.1 A  
 Basic Accuracy ±(3.0%+5d)  
 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%+5d)  
 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%+2d)

**OHM :** Ranges 50 KΩ  
 Basic Accuracy ±(1.5%+5d)  
 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:** 57mm(W) x 220mm (L) x 35mm(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:** 39mm

**Maximum Conductor Size:** 16mm

**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 600V, CAT III 1000V

**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		

**Authorized Distributor:**  
**WESCHLER INSTRUMENTS**  
 phone: 800-903-9870 440-378-6580  
 fax: 800-903-9590 440-238-0660  
 www.weschler.com info@weschler.com

