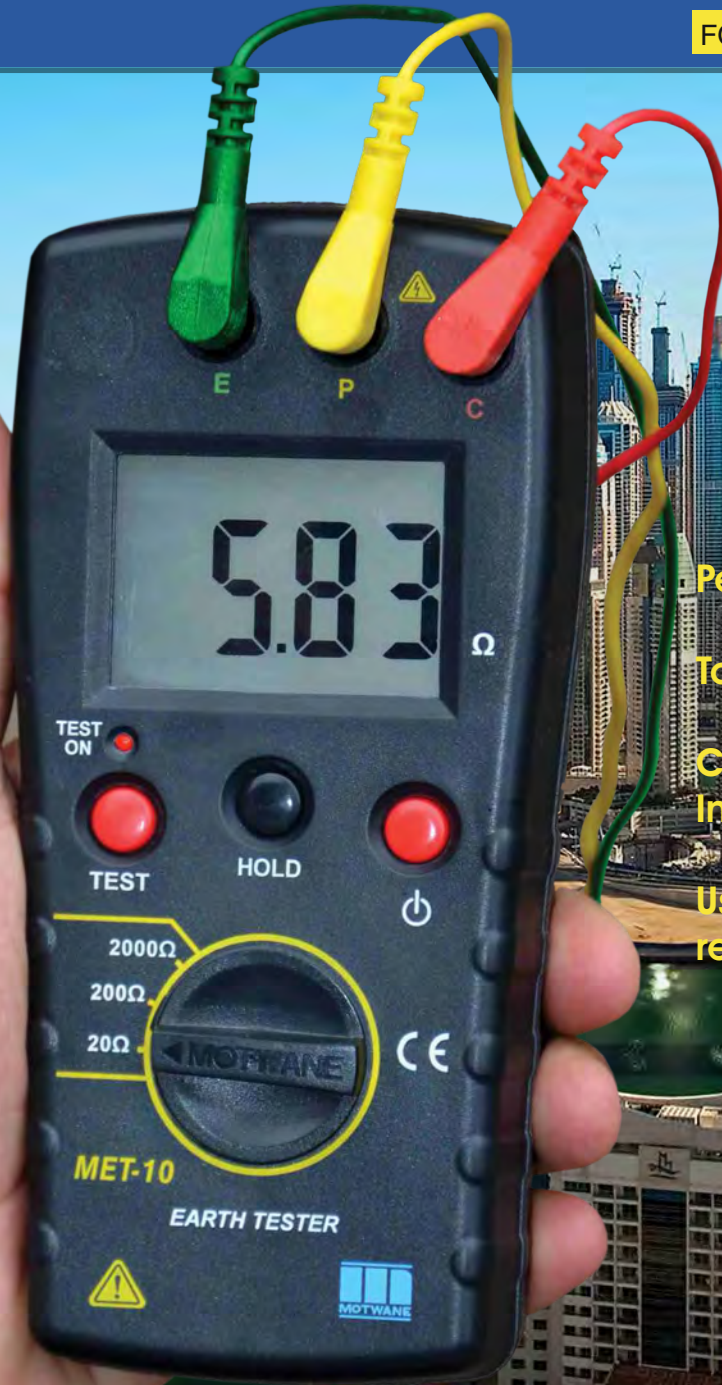


LIGHTTEST DIGITAL EARTH TESTER

FOR ELECTRICAL CONTRACTORS



EMPOWERING
MEASUREMENT



Performance at affordability

Tough Built for onsite testing

Calibration Certificate with
Instrument

User selectable Earth
resistance measurement.

MET-10



www.motwane.com



SPECIFICATIONS

EARTH RESISTANCE RANGE

Range	: 20Ω, 200Ω, 2000Ω
Resolution	: 0.01 Ω @ 20Ω range, 0.1Ω @ 200Ω range, 1Ω @ 2000Ω range
Accuracy	: 20Ω : ± (2 % of rdg + 5 digits) 200Ω : ± (2 % of rdg + 5 digits) 2000Ω : ± (2 % of rdg + 5 digits)

TESTING PARAMETERS

Test Frequency : 128Hz (±0.5Hz)

Test current Injection

Resistance Range	Current Injected	Accuracy
20 Ω	10mA AC rms	+/- 10%
200 Ω	1mA AC rms	+/- 10%
2000 Ω	100uA AC rms	+/- 10%

OVERLOAD PROTECTION

Overload Protection : 230V AC (For 1min.)

POWER SUPPLY

Battery : 6 X 1.5V AA Alkaline cells (IEC LR6)
Low Battery Indication : "LO BAT" is displayed below 6.5 V approx

LCD DISPLAY

Display : 3 ½ Digit Custom Built LCD Display
Test On : Push TEST Button

ENVIRONMENTAL SPECIFICATION

Operating Temperature : 0°C to 55°C
Storage Temperature : -20°C to 55°C
Relative Humidity : Less than 95% RH, non condensing max at 40°C

PHYSICAL SPECIFICATIONS

Enclosure material : ABS
Dimensions : 175mm(H) X 85mm(W) X 41mm(D)
Gross Weight : 457gm (With Battery)

STANDARD ACCESSORIES

Instruction Manual, Batteries 1.5V AA Alkaline (IEC R6), carton, carrying case

OPTIONAL ACCESSORIES

Claw Hammer with Tubular handle, Spikes (2 nos.), Test leads (spool) set, carrying case for earth test kit

AVAILABLE IN THREE VARIANTS

- DIGITAL EARTH TESTER MET-10
- DIGITAL EARTH TESTER MET-10 with Kit(25 cm spike)
- DIGITAL EARTH TESTER MET-10 with Kit (45 cm spike)

ACCURACY

- Accuracy is specified as ± % of reading + digit and is valid at 25°C ± 3°C, 55% RH ±10%.
- Accuracy is valid from 10% of the range to 95% of the range.
- Temp. Coefficient = + (0.2% of the range) per degree centigrade referred to 25°C.
- Accuracy is not valid if display shows "LO BAT". In this case immediately replace the batteries.
- It is recommended that calibration equipment used to verify the accuracy of the instrument should be 10 times more accurate.
- It is recommended to recalibrate the instrument once in year.

Notes

1.The Instrument is accompanied with Test & calibration sheet. 2.Test Facilities can be provided at the factory with the available test set-ups only. 3. The Company's policy is continuous improvement of its products. We therefore reserve the Right of any deviation from illustration or specifications without notice. 4.Stated accuracies are valid from 10% of the range to 95% of the range. 5. Accuracy Specified for temperature range of 25°C ± 5°C & 55% RH ±10%.

Designed and Manufactured by:

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