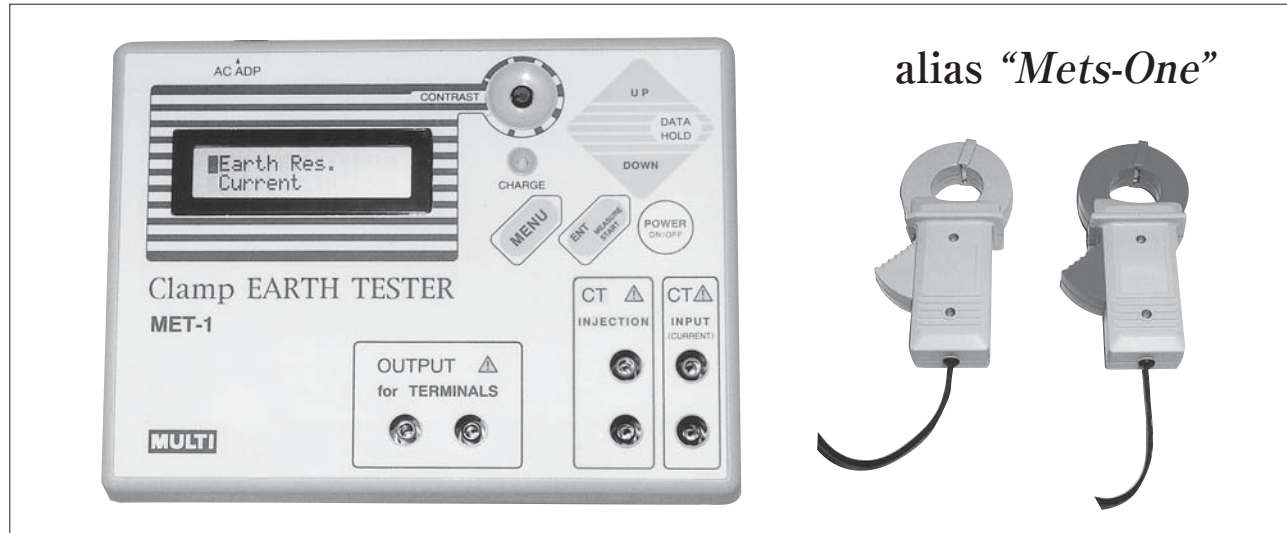


CLAMP EARTH TESTER

Model **MET-1**



FEATURES

- Completely different method from the ordinary Earth Testers.
- Just clamping two CTs to the earthing conductor and no need to use auxiliary earth rod.

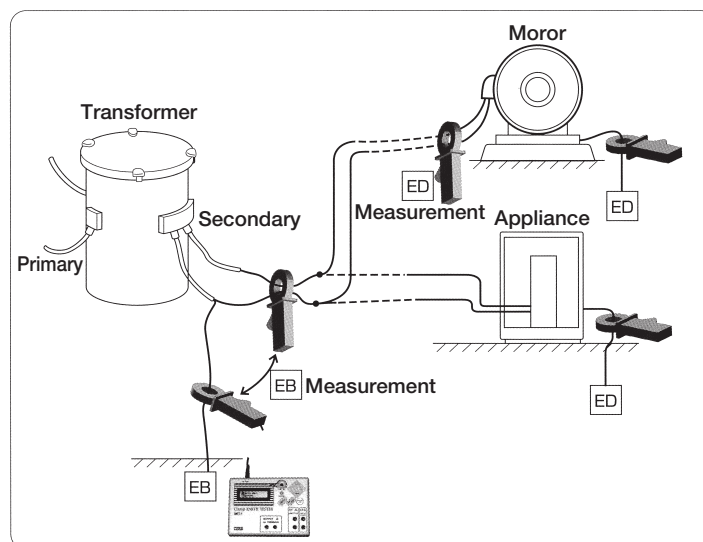
GENERAL

This Clamp Earth Tester Model MET-1 measures the earth resistance by using two clamp CTs without disconnecting the earthing conductor and without using auxiliary ground rod and can measure only the objective earth resistance without any influence from other conductors.

APPLICATIONS FOR MEASUREMENT OF EARTH RESISTANCE

1. Outer case & iron stand of extra-high tension cable and high voltage appliance.
2. Lightning arrester.
3. Transformer at output end for the extra-high voltage measuring appliance.
4. Confirming the grounding of the conductors for equipotential bonding.
5. Static electricity prevention equipment & appliance.
6. Multiple earth.

Also, this new instrument has another function for the measurement of leakage current.



CLAMP EARTH TESTER

AC CURRENT AC/DC VOLTAGE RESISTANCE

Model MET-1

SPECIFICATIONS

- Measuring function : Earth Resistance, AC Current (Line & Leakage)
- Measuring method : Dual integration mode, Clamping Two CTs
- Display : LCD, 16 letters/characters × 2 lines with contrast adjustor
- Safety standard : Meets the requirements for double insulation to IEC 61010-1 installation CategoryII. 600V phase to earth.
- Sampling : Approx. 2 times/second for AC current
- Measuring Time : Approx. 30 second for earth resistance
- Over range indication : "OVER" on LCD readout both for AC current & earth resistance
- Low battery indication : "B" mark on LCD readout
- Auto power off : The meter is set to power off mode, approx. 5 minutes after the power swith on.
- Data hold function : "DH" mark on LCD readout.
- Accuracy : 23 °C ± 5 °C, 80%RH max.

Earth Resistance

Range	Resolution	Accuracy
200 Ω	0.1 Ω	0 ~ 10 Ω ± 0.2 Ω
		10 ~ 50 Ω ± 1.0 Ω
		50 ~ 200 Ω ± 5.0 Ω

AC Current (Max. applicable current : F10A rms)

Range	Resolution	Accuracy
200mA	0.1mA	2% rdg ± 8 dgt
2000mA	1mA	
10A	0.01A	

- CT for dectection : 340mm
- CT for superposition : 340mm, auto sweep 4KHz ~ 400KHz
superposing level : approx.160mVp
- Storage temperature : -10 °C ~ 60 °C, <80% RH without condensation
- Operating temperature : 0 °C ~ 40 °C, <80% RH without condensation
- Circuit voltage : less than 500V
- Withstanding voltage : AC 3700V, 1minute between operation handle and CT core.
AC 2300V, 1minute between supply source and body case of the instrument.
- Power Supply : AC100V ~ 240V (50/60Hz) with adaptor
Internal Ni-Cd battery (1.2V × 5)
- Battery life : 450 times measurement under full charged condition (according to the times of charging and discharging).
- Size & weight
- CT for detection : 90.5(W) × 165(H) × 38(D)mm, approx. 460g
- CT for superposition : 90.5(W) × 165(H) × 38(D)mm, approx. 440g
- Instrument body : 190(W) × 140(H) × 42(D)mm, approx. 800g
- Standard accessories : Detection Clamp CT 1
Superpostion Clamp CT..... 1
AC Adaptor 1
Carrying case 1
Instruction Manual 1
Subsidiary lead wire 1