

Clamp Earth Tester

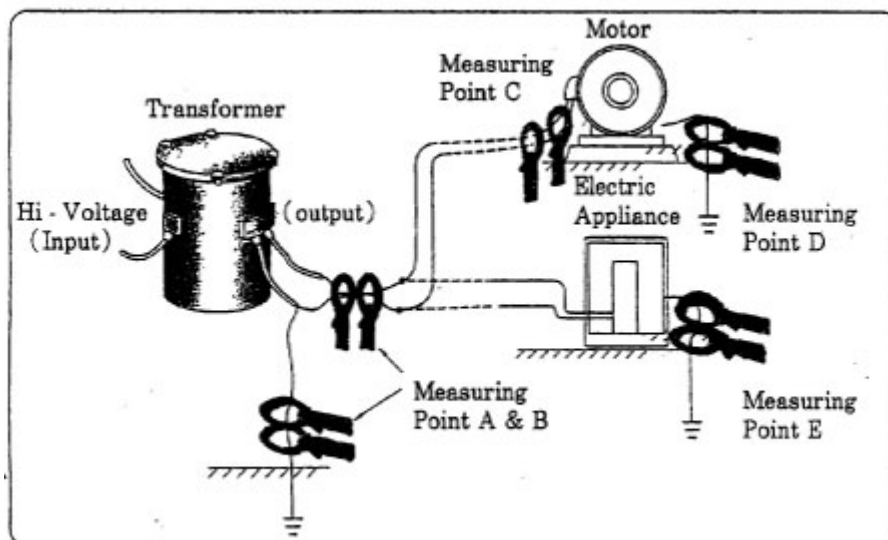
Model MET-1 (CE)

Simple earth resistance measurements without auxiliary rods and test leads.



FEATURES

- Test frequencies are selected automatically to minimize erroneous measurements.
- Earth resistance measurements for secondary side of the extra-high voltage transformer, equipotential bonding conductors and both single & multi-grounded systems.
- Leakage current and load current measurements with 200mA, 2000mA and 10A ranges.
- Data hold and auto power off function.
- 200 Ω earth resistance range



SPECIFICATIONS

Measuring function	: Earth Resistance, AC Current (Load & Leakage)
Measuring method	: Dual slope integration mode
Display	: LCD, 16 letters/characters x 2 lines : with contrast adjuster
Safety standard	: IEC 61010-1, IEC61010-2-032 Installation category II, 600V or CATIII 300V
Sampling	: Approx. 2 times/sec. for AC current
Measuring time	: Approx. 30 second for earth resistance
Over range indication	: "OVER" on LCD
Low battery indication	: "B" mark on LCD
Data hold indication	: "DH" mark on LCD

Range & Accuracy(23°C ± 5°C, 80% or less)

Earth Resistance

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

AC current

Range	Resolution	Accuracy
200mA	0.1mA	2% rdg ± 8dgt
2000mA	1.0mA	2% rdg ± 8dgt
10A	0.01mA	2% rdg ± 8dgt

Measurement CT	: φ 34mm with 2.5m lead
Injection CT	: φ 34mm with 2.5m lead, Auto sweep 4KHz~400KHz
Injection signal level	: Approx. 160mVp-p
Storage temperature	: -10°C~60°C, <80% (without condensation)
Operating temperature	: 0°C~40°C, <80%RH(without condensation)
Limitation of circuit voltage	: Less than 600V
Withstanding voltage	: AC 3700V, 1 minute(between CT core and outer case)
Insulation resistance	: More than 100MΩ (between CT core and outer case)
Power supply	: Ni-Cad battery (1.2V x 5)
Battery charger	: AC100V~240V (50/60Hz)
Auto power off function	: Approx.5 minutes later after the power switch on
Battery life	: 450 times measurements under full charged condition (Subject to the times of charging & discharging)

(Size & weight)

Measurement CT	: 90.5(W) x 165(H) x 38(D)mm, approx.460g
Injection CT	: 90.5(W) x 165(H) x 38(D)mm, approx.440g
Main unit	: 190(W) x 140(H) x 42 (D)mm, approx.800g
Accessories	: Measurement CT.....1 Injection CT.....1 Battery charger.....1 Carrying case.....1 Instruction manual.....1

Optional accessory	: Subsidiary lead wire
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