

CLAMP EARTH TESTER

Model MET-2

SPECIFICATIONS

Measuring function	: Earth Resistance, AC Current (Line & Leakage)
Measuring method	: Dual integration mode
Display	: LCD 16 letters/characters × 2 line with contrast adjuster
Safety standard	: Meets the requirements for double insulation to IEC 61010-1 installation Category II . 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 and 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 switch on.
Data hold function	: "DH" mark on LCD readout
Memory function	: 40 measuring data can be stored and displayed
Accuracy	: 23°C ± 5°C, 80% RH max.

Earth Resistance

Range	Resolution	Accuracy
10 Ω	0.01 Ω	0.1 ~ 1 Ω : ± 0.1 Ω 1 ~ 10 Ω : ± 0.5 Ω
300 Ω	0.1 Ω	10 ~ 50 Ω : ± 2.0 Ω 50 ~ 150 Ω : ± 5.0 Ω 150 ~ 200 Ω : ± 20 Ω 200 ~ 300 Ω : ± 30 Ω

AC Current

Range	Resolution	Accuracy
200mA	0.1mA	3%rdg ± 8dgt
2000mA	1mA	2%rdg ± 8dgt
20A	0.01mA	2%rdg ± 8dgt

CT for detection	: 34 φ mm with 2.5m lead
CT for injection	: 34 φ mm, auto sweep 4KHz ~ 200KHz sine wave Signal injection level/approx. 320mV p-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 500V low voltage circuit
Withstanding voltage	: AC 3700V, [1 minute between CT body and CT core.] AC 2300V, [1 minute between power supply and outer case.]
Insulation resistance	: More than 100MΩ [between CT body and CT core.] More than 50MΩ [between power supply and outer case.]
Power supply	: Internal Ni-Cad battery (1.2V × 5), Charger:AC200V/DC10V,400mA
Power consumption	: Approx. 380mA[At earth resistance measurement]
Battery life	: 400 times measurement under full charged condition (Subject to the times of charging & discharging)
Size & weight	
CT for detection	: 90.5(W) × 165(H) × 38(D)mm, approx. 460grs
CT for injection	: 90.5(W) × 165(H) × 38(D)mm, approx. 440grs
Main body	: 190(W) × 140(H) × 42 (D)mm, approx. 800grs
Standard accessories	: One each of Detection CT Injection CT, Charger Carrying Case Instruction Manual & Subsidiary lead wire