

# Clamp Earth Tester

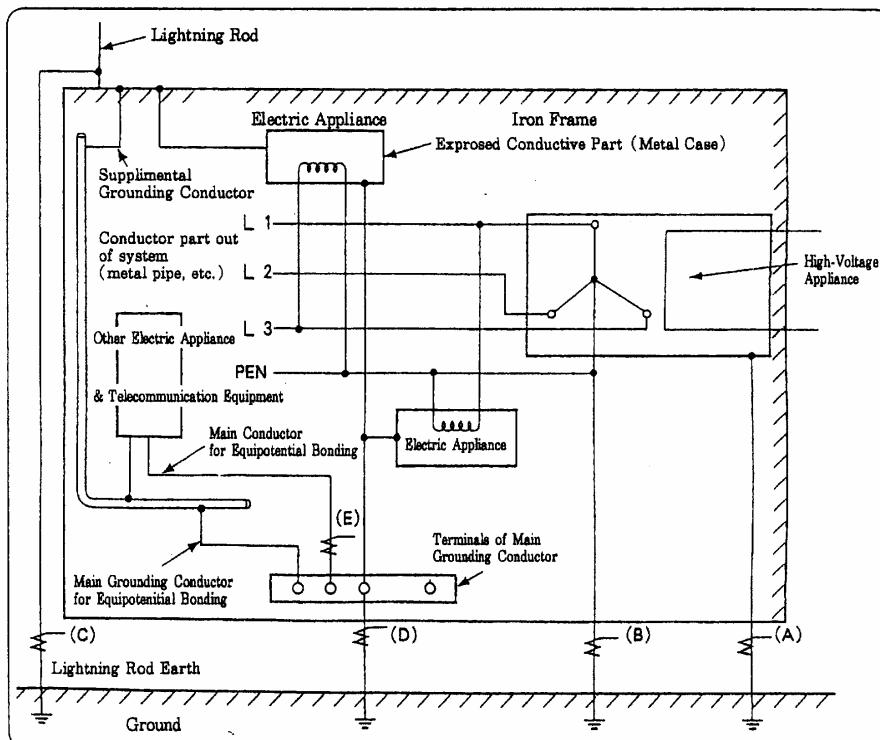
## Model MET-2

Simple earth resistance measurements without auxiliary spikes and test leads



### FEATURES

- Test frequencies are selected automatically to minimize erroneous measurements.
- Earth resistance measurements for single & multi earthing systems.
- Leakage current and load current measurements with 200mA, 2000mA and 20A ranges.
- Data memory and auto power off function.
- 10  $\Omega$  and 300  $\Omega$  earth resistance ranges.



## SPECIFICATIONS

Measuring function	: Earth Resistance, AC Current (Load & Leakage)
A/D conversion	: Dual slope integration mode
Safety standard	: IEC 61010-1, IEC61010-2-032 Installation category II 600V or CATIII 300V
Sampling	: Approx. 2 times/second for AC current
Measuring time	: Approx. 30 second for earth resistance
Display	: LCD16 letters/characters x 2 line with contrast adjuster
Over range indication	: "OVER" on LCD
Low battery indication	: "B" mark on LCD
Data hold indication	: "DH" mark on LCD
Memory function	: 200 measuring data can be stored and displayed

Accuracy (23°C ± 5°C, 85% RH or less)

### 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	0.01A	2% rdg ± 8dgt

Measuring CT	: φ 34mm with 2.5m lead
Injection CT	: φ 34mm with 2.5m lead
Injection signal	: Approx. 160mV p-p, Auto sweep 4kHz~200kHz
Operating temperature	: 0°C~40°C, <85%RH without condensation
Storage temperature	: -10°C~60°C, <80%RH without condensation
Limitation of circuit voltage	: Less than 500V
Withstanding voltage	: AC 3700V 1 minute (between CT core and CT handle)
Insulation resistance	: More than 100MΩ (between CT core and CT handle)
Power supply	: Ni-Cad battery (1.2V x 5),
Battery Charger	: AC200V-240V(50/60Hz)
Auto power off function	: Approx. 5 minutes after power on
Power consumption	: Approx. 400mA (Earth resistance measurement)
Battery life	: Approx. 400 times measurements under full charged condition (Subject to the times of charging & discharging)

(Size & weight)

Measuring 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	: Measuring CT..... 1
	: Injection CT.....1
	: Battery charger..... 1
	: Carrying case.....1
	: Subsidiary lead wire.....1
	: Instruction manual.....1