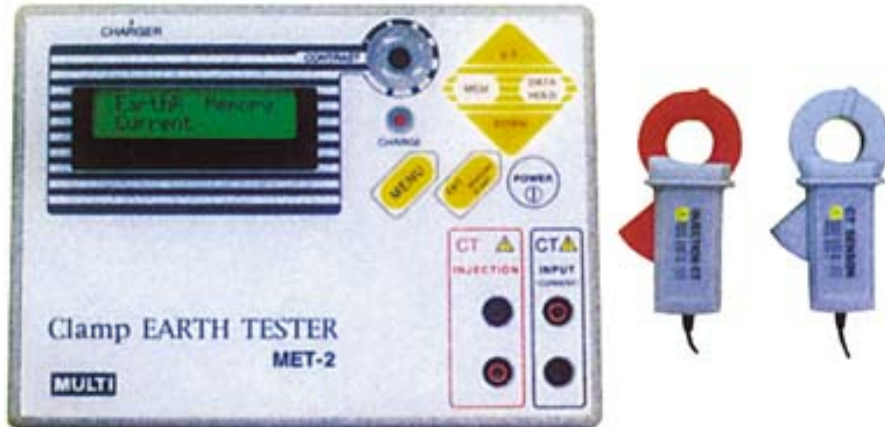


Clamp Earth Tester

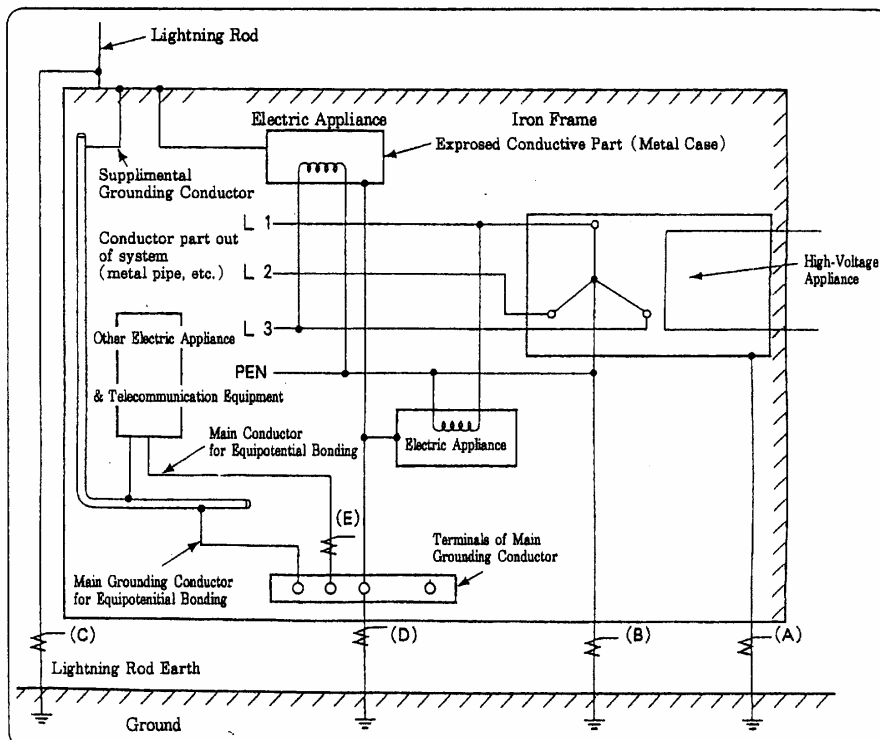
Model MET-2

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 Ω and 300 Ω 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 :±0.1Ω |
| | | 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 :±20Ω |
| | | 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 |