EARTH RESISTANCE TESTERS

DIGITAL EARTH RESISTANCE & SOIL RESISTIVITY TESTER (2, 3 & 4 WIRE) WITH PC INTERFACE
Model - KM 1320

CAT III 300V

CAT IV 150V



CE Approved

- **Display :** 4 Digit LCD backlight display.

FUNCTIONS :

- **Measuring Range**

  Earth Resistance : 0.00Ω ~ 30.00kΩ

  Soil Resistivity : 0.00Ω ~ 9000kΩ

  Earth Voltage : 0.0 ~ 600V AC
- **Test Frequency :** 128Hz / 111Hz / 105Hz / 94Hz (AFC)
- **Auxiliary Earthing Rod :** 4 rods : Ø 10mm x 150mm
- **Measuring Rate**

  Earth Voltage : about 3 times/second

  Earth Resistance, Soil Resistivity : about 5 second/time
- **Line Voltage :** Below 600V AC
- **Insulation Resistance :** Over 20MΩ (between circuit & enclosure it is 500V)

ADDITIONAL FUNCTIONS :

- Overload Protection.
- Data Storage Indication (300 Sets)
- Data Hold & Data Access Icon
- **Withstand voltage :** AC 3700V/rms (Between Circuit & Enclosure)
- RS232 Interface

- **Power supply :** DC 9V (Zi-Mn dry battery R14S 1.5V 6 PCS, Continuous standby for 3000 hours)
- **Weight :** Approx. 4.5 Kg (Battery Included)
- **Dimension :** Approx. 215(L) x 190(W) x 95(H) mm
- **Accessories :** Standard Testing Wire (4 nos.), Simple Testing Wire (2 nos.), Earth rods (4 pcs), Battery, Manual, Software CD, RS232 Communication cable & carrying case.

DIGITAL 4 TERMINAL EARTH RESISTANCE & SOIL RESISTIVITY TESTER
Model - KM 2040

CAT III 300V
CAT IV 150V



CE Approved

- **Display :** LCD display with Backlight.

FUNCTIONS :

- **Earth Resistance :** 2Ω : 0.05 ~ 2.09Ω / 20Ω : 0.05 ~20.9Ω / 200Ω : 0.5 ~ 209Ω / 2000Ω : 5 ~2.09kΩ / 20kΩ : 0.05k ~ 20.9kΩ
- **Accuracy :** ± (3%rdg + 5dgt)
- **Auxillary earth resistance Rh, Rs :** 8% of Re + Rh + Rs
- **Soil Resistivity Voltage :** 2Ω : 0.3 ~ 393.7Ωm / 20Ω : 3 ~ 3937Ωm / 200Ω : 0.03 ~ 39.37kΩm / 2000Ω : 0.3 ~ 393.7Ωm / 2kΩ : 3 ~ 1999Ωm.
- **Frequency :** 40 ~ 500Hz
- **Measuring Current Im :** max. 10mA
- **Measuring Voltage Um :** 10Vrms 125Hz
- **Compensation of Lead Resistance Rk :** 2Ω : max. 2Ω / 20Ω : max. 9Ω
- **Memory Capacity :** 1000 groups.

ADDITIONAL FUNCTIONS :

- 4 pole Earth Resistance Measurement upto 209.9k ohms with resolution 0.001 ohm.
- Soil Resistivity measurement 0 to 209.9kΩm.
- Advance filtering method based on FFT (fast fourier transform) reduces noise interference.
- Rich test results displayed include resistance of earth spikes, frequency of test current, detected voltage & frequency of interference, residual resistance Rk, etc.
- Compensation for residual resistance Rk.
- Confirms to CAT IV 150V, CAT III 300V.

- **Power supply :** 1.5V x 8 AA Battery.
- **Weight :** Approx. 900gm
- **Dimension :** Approx. 190(L) x 155(W) x 75(D) mm
- **Accessories :** 4 terminal earth wires & spikes, User manual, Battery & Carrying Case.

DIGITAL EARTH RESISTANCE TESTER (3 TERMINAL)
Model - KM 2030



CE Approved

- **Display :** 3½ digit LCD display.

FUNCTIONS :

- **Ground Resistance Measurement :** 0 ~ 01Ω To 2000Ω

  Resolution : 0.01Ω
- **Earth Resistance Range :** 20Ω / 200Ω/ 2000Ω
- **Accuracy :**

  20Ω : ±(2%rdg + 0.1Ω);

  200Ω / 2000Ω : ± (2%rdg +3)
- **Earth Voltage :** 0 ~ 30V
- **Accuracy :** ± (3% + 5)

ADDITIONAL FUNCTIONS :

- Working LED Indicator.
- Data Hold function.
- **Response time :**

  Measure earth resistance about 5 seconds.

  Measure earth voltage, about 2 seconds.
- **Withstand voltage :** AC 1500V
- Low Battery Indication.

- **Power supply :** 1.5V x 6 AA & 12V x 1 Battery.
- **Weight :** Approx. 680 Kg
- **Dimension :** Approx. 150(L) x 100(W) x 70(D) mm
- **Accessories :** Test Wires, Earth wire, Auxiliary Earth Bars X 2 nos., Instruction Manual, Battery & Carrying case.