KUSAM-MECO®
An ISO 9001:2015 Company

4-TERMINAL EARTH RESISTANCE & SOIL RESISTIVITY TESTER

THINK SAFETY
THINK KUSAM-MECO®

Model KM 2040

GENERAL SPECIFICATIONS :

- 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.
- Auto / Manual frequencies optional (94/105/111/128Hz).
- Compensation for residual resistance Rk.
- Data memory 1000sets.
- Confirms to CATIV 150V, CAT III 300V.



Preliminary Data

- **Safety :** IEC61010-1 CAT III 300V, CAT IV 150V. Pollution Degree 2, IEC61010-031, IEC61557-1,5, IEC61326-1(EMC).

ELECTRICAL SPECIFICATIONS :

- **Earth Resistance : 2Ω :** 0.05 ~ 2.09Ω / **20Ω :** 0.05 ~20.9Ω / **200Ω :** 0.3 ~ 209Ω / **2000Ω :** 3 ~2.09kΩ / **20kΩ :** 0.03k ~ 20.9kΩ / **200kΩ :** N/A
- **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 :** 0.3k ~ 393.7kΩm / **20kΩ :** 3k ~ 1999kΩm / **200kΩ**
- **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.
- **Display :** LCD segment
- **Power :** AA 1.5V X 8 batteries.
- **Weight :** approx. 900g.
- **Dimension :** 190 x 155 x 75 mm
- **Standard Accessories :** 4 terminal earth wires & spikes, Instruction Manual, Battery & Carrying Case.

All Specifications are subject to change without prior notice

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