KUSAM-MECO®
An ISO 9001:2015 Company

DIGITAL EARTH RESISTANCE TESTER
MODEL - KM 2030A

THINK SAFETY
THINK KUSAM-MECO®

INTRODUCTION :

KM 2030A a smart microcontroller for high reliability & precision. It is suitable for grounding resistance tests in power distribution lines, indoor wiring, electrical equipment, & lighting protection systems, supporting both two-pole & three-pole measurement modes. It also measures ground voltage.

FEATURES :

- **High Measurement Precision :** Built for precise readings, the KM 2030A is equipped with a reliable 0.01Ω resolution and accuracy range of ±(3%rdg+3dgt), making it capable of pinpointing ground resistance and earth voltage with enhanced accuracy.
- **Enhanced Data Storage :**
  The device supports storage for up to 20 sets of measurement data, allowing for quick reference and saving time when performing multiple tests in various conditions.
- **User-Friendly LCD Design:**
  The 5.8 x 8 cm LCD screen is backlit for efficient readability in both dark and bright environments, ensuring smooth usage in outdoor and indoor scenarios.
- **Compact and Lightweight Build:**
  A portable design, KM 2030A is easy to carry and handle, particularly for fieldwork and long-duration testing sessions.
- **Wide Voltage and Resistance Range :**
  Supporting ground resistance measurement from 0~2kΩ and earth voltage up to 600V AC, this device covers a versatile range of applications for residential, commercial, or industrial systems.



Preliminary Data

ACCESSORIES :

- **Test Leads 3Nos.**
  (Red 20m, Green 10m, Black 5m)
- **Contact Voltage Test Probe 1 set**
  (Red & Black)
- **Grounding Rods 2nos.**
- **Crocodile Clip 1no.**
- **User Manual**
- **Battery**
- **Carrying case**

OPTIONAL ACCESSORIES :

- **DC 5V ~ 9V Power Adaptor**
  500mA ~ 5A


Contact Voltage Test Probes


Test Leads × 3


Grounding Rods × 2

ELECTRICAL SPECIFICATION :

Measurement Range	0~20Ω / 20~200Ω / 200~2kΩ
Resolution	0.01Ω / 0.1Ω / 0.001kΩ
Earth Voltage Range	0 ~ 600V AC (50/60Hz) ; **Resolution :** 1V
Display	5.8 x 8 cm LCD Backlight display with Analog Bar Graph
Data Storage	20 measurement sets
Operating Temperature	0 ~ 40 °C Humidity : ≤ 85% RH
Storage Temperature	-10°C ~ 50°C Humidity : ≤ 85% RH
Safety	IEC61016 complies with GB4793.1-1995 (IEC-1010-1:1990)
Power Supply	6 x 1.5V AA batteries
Weight	Approx. 448g. (excluding batteries)
Dimension	Approx. 173(W) x 123(L) x 60(H) mm

All Specifications are subject to change without prior notice.

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