KUSAM-MECO®
An ISO 9001:2015 Company

1KV DIGITAL MULTIFUNCTION INSULATION RESISTANCE & CONTINUITY-VOLTAGE TESTER WITH MOV & GAS ARRESTER TESTING

THINK SAFETY
THINK KUSAM-MECO®

FEATURES :

- Auto Discharge Function on all tests & all ranges.
- Gas Arrester Test
- MOV / Protection Devices Test
- Preselectable Measurement Time : Auto Stop on completion of Test
- Auto Stop & Hold Function.
- Ener Save™
- Can be calibrated in All calibration laboratories
- Buzzer ON/OFF by key : Always ON
- Nominal Voltage @ 1mA on all Insulation Ranges
- Continuity Short Circuit Current >220mA (225mA typical)
- Continuity Open Circuit Voltage of 5V DC
- Smart Hold & Stop on Voltmeter AC / DC
- Test ON/OFF
- Fuse : fast HBC 600V / 500mA

Low Voltage 50V Range for Telecom application

Model KM 1154TMF



GENERAL SPECIFICATIONS :

- **Insulation Resistance Range :** 0.1MΩ ~ 10GΩ
- **Selectable Test Voltages(Low Voltage for Telecom) :** 50 / 100 / 125 / 250 / 500 / 1000V
- **LCD Type :** Large Type 2 x 16 Characters
- **Continuity Measurement :** 0.01 to 1999
- **Automatic AC / DC Voltage Test At Start-Up**
- **AC Voltage Measurement :** 0 to 700V
- **DC Voltage Measurement :** 0 to 950V
- **Battery Load Current :** About 300mA
- **Battery Test at switch ON / RESET Lead Resistance Null Facility**
- **Auto Off approx. 5 minutes**
- **Operating Temperature :** 1°C to 55° C not in full sun
- **Storage Temperature :** -20°C to 70° C ; Relative Humidity max. 80% R.H.
- **Open Current :** about 19.15mA
- **Consumption Current :** about 193.5mA.
- **Power Supply :** 8 x1.5V Alkaline batteries.
- **Dimension :** 175(L) x 85(W) x 75(H) mm
- **Weight :** Approx. 655gms.



Metal Oxide Varistor



Gas Arrester

SAFETY :

CE marking according to the Low Voltage Directive (73/23/eec & 93/68/eec) and EMC Directive (89/336/EEC, 92/31/EEC, & 93/68/EEC) and found to comply with the essential requirement of the directives. IEC/EN 61010-1:2001. EN61326+A1+A2+A3, EN55011+A1+A2, EN61000-3-2+A2, EN61000-3-3+A1+A2, EN61000-4-2+A1+A2, EN61000-4-3+A1, EN61000-4-4, EN61000-4-5+A1, EN61000-4-6+A1, EN61000-4-11

ACCESSORIES :

Test leads, Shoulder belt, carrying case, Instruction manual & Batteries.

ELECTRICAL SPECIFICATIONS : KM 1154TMF

CONTINUITY SHORT CIRCUIT CURRENT > 220mA :

Range	Accuracy
0.01 ~ 100 Ω	±1% rdg
100 ~ 300 Ω	±1.5% rdg
300 ~ 1999 Ω	± 2% rdg
Auto - Null -upto 5Ω	
Buzzer - Threshold Value Up to 3	

Metal Oxide Varistor (MOVs)

Test Voltage	Resolution	Accuracy
5 ~1020V	± 2 Counts	±3%rdg

Arrester Voltage result @ 1mA

Test Voltage	Resolution	Accuracy
5 ~1020V	± 2 Counts	±3%rdg

INSULATION TEST

Test Voltage	Insulation Resistance	Accuracy
50 V	2 k ~ 400 MΩ	< 30kΩ : ± 20%rdg 30kΩ ~ 1MΩ : ± 5%rdg > 1MΩ : ± 3% rdg
100 V	2 k ~ 800 MΩ	
125 V	2 k ~ 1 GΩ	
250 V	2 k ~ 2 GΩ	
500 V	4 k ~ 4 GΩ	
1000 V	8 k ~ 10GΩ	

VOLTMETER (AUTORANGING)

Test Voltage	Resolution	Accuracy
0 ~ 950V DC	± 1V	± 1.5% F.S
0 ~ 700V DC	± 1V	± 1.5% F.S
Auto - Hold		

All Specifications are subject to change without prior notice

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