

SPECIAL FEATURES :

- The “KUSAM-MECO” 1152MF has features for Insulation Resistance Testing, Polarisation Index measurement & Dielectric Absorption ratio measurement, Voltage (AC-DC) measurements with Automatic Hold facility, Continuity Test with a short circuit current of Minimum 200mA.
- Two very unique features are found on the Multifunction Model1152MF, MOV and Gas Arrester testing.
- Today, most equipments and electrical installations are protected by MOVs and Gas arresters.
- The 1152MF can test these devices to establish if the devices are still operating correctly or not.
- Energy conservation is featured on all these new Advanced Products.
- EnerSave limits the test duration to about 10 Seconds to save energy.
- This new generation of test equipments have no moving parts. All calibration are saved internally in a non volatile memory.
- Their calibration interval can be extended without much problem.
- They comply to all the latest regulations, including UK 16 Edition.
- Meets IEC/EN 61010-1 CAT III 600V.

MODEL 1152 MF**Metal Oxide
Varistor****Gas Arrester****FEATURES :**

- Digital EE Calibration (No Potentiometers)
- Automatic Voltmeter AC/DC at Start / Reset
- Off Push button (press more than 5 sec on 1kV key)
- MOV/protection devices test
- Polarization Index (PI) on 250, 500 and 1000V
- Battery test
- Voltmeter on request by keypad : Automatic
- Auto-Discharge on all Test and all ranges
- Continuity Open Circuit Voltage of 5V DC
- Buzzer ON/OFF by key : Always ON
- Test Auto-Stop
- Re-programmable Microprocessor for Easy Updates
- Insulation measurement from 2k (250V range) to 8G (1kV Range)
- Continuity from 0.01 (220mA) to 1999
- AC Voltmeter from 1 VAC to 700 VAC
- Smart Hold & stop on Voltmeter AC /DC
- Keypad Operation
- On-Reset/Restart Key
- Auto-Off
- Test ON-OFF
- Gas Arrester Test Function
- Dielectric Absorption Ratio (DAR) on 250, 500 and 1000V
- Battery Test at switch ON/Reset
- Safety Voltmeter before each Test
- Continuity short Circuit current >220mA (225mA Typical)
- Nominal Voltage @ 1mA on all Insulation Ranges
- Leads Auto-Null key
- EnerSave
- Can be calibrated in ALL calibration laboratories
- DC Voltmeter from ± 1 VDC to ± 950 VDC
- Accept 8 rechargeable Batteries or Alkaline or Normal Battery.

GENERAL SPECIFICATIONS :

* Display	: 2 lines x 16 characters LCD
* Auto-Null Threshold	: 5
* Buzzer Threshold	: 3
* Fast Test	: 10 Sec
* Long Test	: 60 Sec
* With PI and DAR test Function	: 10 Min
* Load Battery Test Current	: About 300mA
* Operating Temperature	: 1°C to 55°C (not in full sun light)
* Storage Temperature	: -20°C to 70°C
* Relative Humidity	: 80% R.H.
* Open Current	: about 19.15mA
* Consumption Current	: about 193.5mA
* Power Source	: 1.5 x 8 (Type "AA" size alkaline)
* Dimensions	: 175(L) x 85(W) x 75(H)mm
* Weight	: 655g Approx. (Battery included)

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 (TEL-AL11-A), Shoulder belt, Instruction Manual, Batteries.

ELECTRICAL SPECIFICATIONS : KM 1152 MF**INSULATION TEST**

Test Voltage (DC V)	250V / 500V / 1000V
Output Voltage @ 1mA	Rated test Voltage + 10% Max
Measuring Ranges	2K-2G / 4K-4G / 8K-8G
Accuracy	<30k : ± 20% rdg 30k - 1M : ± 5% rdg >1M : ± 3% rdg
When voltage is constant, Current is Limited at	± 1.2 mA
Short Circuit Current	± 4mA Max

CONTINUITY TEST

Measuring Ranges	0.01 - 1999
Accuracy	0.01 - 100 : ±1.0% rdg 100 - 300 : ± 1.5% rdg 300 - 1999 : ± 2.0% rdg
Short Circuit Current	> 220mA
Open Circuit Voltage	5VDC
Resolution	± 2 counts

VOLTMETER

AC Voltage (Auto)	0-700V
DC Voltage (Auto)	0-950V
Accuracy	± 1.5% of F.S.
Resolution	± 1V

MOV Test

Test Voltage	5-1020VDC
Voltage Result Accuracy	± 3%
Voltage Result Resolution	± 2 counts

GAS ARRESTER TEST

Test Voltage	5-1020VDC
Voltage Result Accuracy	± 3%
Voltage Result Resolution	± 2 counts

PROTECTIONS

Over Load	700V (between all terminals)
Over Voltage	Class III-700V towards ground
Fuses	1 x 500mA, 5 x 20mm, HBC, 600V Fast Blow

All Specifications are subject to change without prior notice

KUSAM-MECO®
An ISO 9001:2008 Company

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