

MMG 10

Sheath Tester

Functional Description:

Sheath Tester MMG 10 is mainly designed for voltage testing of cable sheaths made of PE or PVC as well as for the location of sheath faults on shielded plastic-insulated cables and the detection of earth-leakage faults in plastic-sheathed cables. In combination with the Sheath Fault Prelocation Device MVG 5, sheath faults can be prelocated.

The following measurements can be taken:

- Sheath fault prelocation on shielded medium-high voltage cables.
- Prelocation of line-to-earth faults on plastic-insulated low-voltage cables.

Pin-Pointing is carried out by means of the Line-to-Earth Fault Locating Device ESG 80-2 by measuring the step voltage.

Due to the excellent burn down effect achieved by the full-wave rectification, this device is very well suited for converting high-resistance cable faults in low-voltage power cables into low-resistance ones.

Moreover our new Sheath Tester MMG 10 has further special features such as:

- continuously adjustable output voltage in voltage ranges 1000 V, 5000 V and 10000 V
- protection against overload by voltage and current control
- fault location at reduced power to prevent damages to adjacent wires or cables
- indication of voltage and current by two analog indicating instruments
- automatic discharge unit provides for removal of residual charge and for earthing the test object
- clock-controlled operation of the voltage source to prevent the drying-out of faults when pinpointing sheath faults
- excellent burn down effect through full-wave rectification

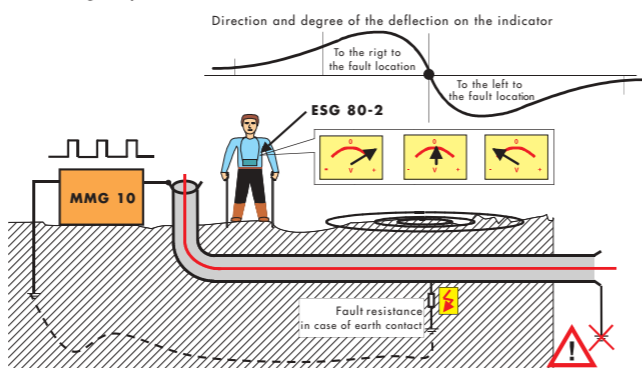


Technical Specification:

Input power	700 VA
Mains connection	230 V/3 A (45/60 Hz)
Maximum flash-over current	0,5 A
Maximum flash-over voltage	10 kV
DC output	1000 V / 0,5 A 5000 V / 0,1 A 10000 V / 0,05 A
Current control	switching regulator
Voltage control	switching regulator
Temperature monitoring	
Indication of high output voltage hazardous to touch	
Dimensions (H, W, D), mm (without handles)	200x360x360
Weight	approx. 9 kg
Operation temperature	-10°C ... +50°C
Storage temperature	-20°C ... +60°C

Accessory equipment:

- Earth Fault Locating Device ESG 80-2
 - Earth spikes with measuring leads EEB
 - Sheath-Fault Prelocating Device MVG 5 (Prelocation up to 5 kV)
 - Emergency-off switch NAG 1 for stand-alone operation
- For operation with Sheath Fault Prelocating Device MVG 5:
- Emergency-off switch NAG 2



Sheath fault pinpointing with ESG 80-2

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- Sheath Testing on Medium and High-voltage Cables
- Prelocation and Pinpointing of Sheath Faults
- Conversion of High-Resistance Faults in Low-Voltage Cables

DIN ISO 9001

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Product Range : Instruments and Test Vans for Fault Location in Power and Telecommunication Networks and for Leak Detection in Water and Sewage Networks • Cable and Pipe Locators • Seminars
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Technical data subject to change without notice.

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