MRU-10

IP67   **CAT III**   **300 V**

Basic grounding measurements under all conditions

Earthing resistance measurements

- **3-pole method** – measurement of earthing systems using auxiliary probes
- **2-pole method**

Features

- Resistance of auxiliary electrodes R_H and R_S
- Measurement of interference voltage to 100 V
- Indication of battery state
- Selection of maximum measuring voltage (25 V and 50 V)
- Auto-OFF function

Overview

MRU-10 is a simple meter that allows you to measure grounding by the use of the technical method and to measure grounding resistance by the use of the 2-pole method. The instrument is easy to handle, resistive to interference, and highly accurate.

MRU-10 is a basic device that allows checking the quality of the grounding system on the basis of the received measurement result. Its ergonomic shape, durable and firm housing, as well as big and clear display make this instrument ideal to use both in the field and most working environments. The device is simple to operate and intuitive. It is the best choice for electrical installations contractors, technicians, and professionals dealing with grounding measurements.

Technical specification

Measurement functions	Measurement range	Display range	Resolution	Accuracy ±(% m.v. + digits)
Interference voltage	0 V...100 V	0 V...100 V	1 V	±(10% m.v. + 1 digit)
Earth resistance				
2-pole method	0.00...9999 Ω	0.00...9999 Ω	from 0.01 Ω	from ±(3% m.v. + 3 digits)
3-pole method	0.53...9999 Ω acc. to EN 61557-5	0.00...9999 Ω	from 0.01 Ω	from ±(3% m.v. + 3 digits)
auxiliary electrodes resistance	0 Ω...19.9 kΩ	0 Ω...19.9 kΩ	from 1 Ω	±(5% + 8 digits)

Safety and work conditions

Measuring category according to EN 61010	III 300 V
Ingress protection	IP67
Type of insulation according to EN 61010-1 and IEC 61557	double
Dimensions	221 x 102 x 62 mm
Weight	ca. 660 g
Operating temperature	-10...+50°C
Storage temperature	-20...+60°C
Humidity	20...90%
Nominal temperature	23 ± 2°C
Reference humidity	40%...60%

Other information

Quality standard – development, design and production	ISO 9001
The product meets the EMC (emission for industrial environment) requirements according to standards	EN 61326-1 EN 61326-2-2

Standard accessories

 Test lead 2.2 m, black, 1 kV (banana plugs)

WAPRZ2X2BLBB

 Test lead 15 m, red (banana plugs, on H-frame reel)

WAPRZ015REBBN

 Test lead 30 m, yellow (banana plugs, on H-frame reel)

WAPRZ030YEBBN

 Crocodile clip, black, 1 kV, 20 A

WAKROBL20K01

 4 x alkaline battery 1.5 V AA, LR6

 2 x earth contact test probe (rod), 25 cm

WASONG25

 M1 hanging straps
WAPOZSZE4

M1 hanging hook straps
WAPOZUCH1

 M6 carrying case

WAFUTM6

 Calibration certificate

Optional accessories

 Crocodile clip 1 kV 20 A red / blue / yellow

WAKRORE20K02
WAKROBU20K02
WAKROYE20K02

 Test lead 1.2 m (banana plugs) black / blue / yellow

WAPRZ1X2BLBB
WAPRZ1X2BUBB
WAPRZ1X2YEBB

 Pin probe 1 kV (banana socket) black / blue / yellow

WASONBUOGB1
WASONBLOGB1
WASONYEOGB1

 Test lead 25 / 30 m, for MRU (banana plugs, on a reel), red

WAPRZ025REBBSZ
WAPRZ030REBBSZ

 Test lead 15 m, for MRU (banana plugs, on a reel), blue

WAPRZ015BUBBSZ

 Test lead 50 m for MRU (banana plugs, on a reel), yellow

WAPRZ050YEBBSZ

 Test lead on a reel red 75 m / 100 m / 200 m

WAPRZ075REBBSZ
WAPRZ100REBBSZ
WAPRZ200REBBSZ

 Test lead on a reel blue 75 m / 100 m / 200 m

WAPRZ075BUBBSZ
WAPRZ100BUBBSZ
WAPRZ200BUBBSZ

 Test lead on a reel yellow 75 m / 100 m / 200 m

WAPRZ075YEBBSZ
WAPRZ100YEBBSZ
WAPRZ200YEBBSZ

 Cramp with banana socket

WAZACIMA1

 Earth contact test probe 30 cm / 80 cm

WASONG30
WASONG80

 L3 carrying case for 80 cm rods

WAFUTL3

 Test wire reel

WAPOZSZP1

 Calibration certificate issued by an accredited laboratory

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