



CAT IV
150V

IP 67

It allows to take the measurements of:

- earthing resistance using auxiliary electrodes,
- earthing resistance using 2-pole method,
- interference voltage to 100 V,
- resistance of auxiliary electrodes R_H and R_S .

Additionally:

- indication of battery state,
- selection of maximum measuring voltage (25 V and 50 V),
- Auto-OFF function.

electric security

type of insulation	double, according to EN 61010-1 and IEC 61557
measurement category	CAT IV 150 V wg EN 61010-1
protection class acc. to EN 60529	IP67

rated operational conditions

operation temperature	-10...+50°C
storage temperature	-20...+60°C
reference temperature	+23 ±2°C
humidity	20...90%

other technical data:

power supply	alkaline batteries or NiMH rechargeable batteries size AA (4 pcs.)
LCD display	segment, backlit
dimensions	221 x 102 x 62 mm
weight with batteries	approx. 660 g

standard accessories

test lead 30 m, yellow, for MRU (banana plugs, on H-frame reel)	WAPRZ030YEBBN
test lead 15 m, red, for MRU (banana plugs, on H-frame reel)	WAPRZ015REBBN
test lead 2,2 m, black, 1 kV (banana plugs)	WAPRZ2X2BLBB
crocodile clip, black, 1 kV, 20 A	WAKROBL20K01
alkaline batteries 1.5V AA, LR6 (4 pieces)	

earth contact test probe (rod), 25 cm WASONG25

M6 carrying case WAFUTM6

M1 hanging straps WAPOZSZE4

M1 hanging hook straps WAPOZUCH1

user manual

calibration certificate issued by production laboratory

optional accessories

earth contact test probe (rod), 30 cm	WASONG30
earth contact test probe (rod), 80 cm	WASONG80
cramp (banana plug)	WAZACIMA1
L3 carrying case for a 80 cm rods	WAFUTL3
test lead 25 m, red, for MRU (banana plugs, on a reel)	WAPRZ025REBBSZ

test lead 50 m, yellow, for MRU (banana plugs, on a reel) WAPRZ050YEBBSZ

test lead 100 m, red, for MRU (banana plugs, on a reel) WAPRZ100REBBSZ

test lead 200 m, yellow, for MRU (banana plugs, on a reel) WAPRZ200YEBBSZ

crocodile clip, red, 1 kV, 20 A WAKRORE20K02

crocodile clip, yellow, 1 kV, 20 A WAKROYE20K02

calibration certificate issued by calibration laboratory

Measurement of earthing resistance (method 3-pole) R_E 3p
Measurement range to IEC 61557-5:2007: 0,53 Ω...9999 Ω for $U_n=50V$

Range	Resolution	Accuracy
0,00...19,99 Ω	0,01 Ω	±(3% m.v. + 3 digits)
20,0...199,9 Ω	0,1 Ω	
200...1999 Ω	1 Ω	±5% m.v.
2000...9999 Ω	1 Ω	±8% m.v.

Measurement current: under short circuit >20mA. Frequency of measurement current: 125 Hz (for networks 50 Hz) and 150 Hz (for networks 60 Hz). Voltage on open terminals: selectable 25 V AC or 50 V AC.



Measurement of earthing resistance (method 2-pole) R_E 2P

Range	Resolution	Accuracy
0,00...19,99 Ω	0,01 Ω	±(3% m.v. + 3 digits)
20,0...199,9 Ω	0,1 Ω	
200...1999 Ω	1 Ω	±5% m.v.
2000...9999 Ω	1 Ω	±8% m.v.

Measurement current: under short circuit >20mA. Frequency of measurement current: 125 Hz (for networks 50 Hz) and 150 Hz (for networks 60 Hz). Voltage on open terminals: selectable 25 V AC or 50 V AC.

Measurement of resistance of auxiliary electrodes R_H i R_S

Range	Resolution	Accuracy
0...999 Ω	1 Ω	
1,00 k...9,99 kΩ	0,01 kΩ	±(5% m.v. + 8 digits)
10,0 k...19,9 kΩ	0,1 kΩ	



Measurement of interference voltage U_N (RMS)

Range	Resolution	Accuracy
0...100 V	1 V	±(10% m.v. + 1 digit)

Check out our other novelties in the field of earth resistance measurement:



Long test leads for MRU on a reel (75 m, 100 m, 200 m).

Mobile app Sonel MRU Mobile for MRU-200 and MRU-200-GPS meters.

Download free from Google Play

Enter **Sonel MRU Mobile** in Google Play or scan QR code.

