



300 V

技术咨询和询价：010-68940148

Basic grounding measurements under all conditions

康高特-SONEL MRU-10接地电阻测试仪

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 8.7" x 4.0" x 2.4"	
Weight			ca. 660 g ca. 1.4 lbs	
Operating temperature			-10...+50°C 14...122°F	
Storage temperature			-20...+60°C -2...+140°F	
Humidity			20...90%	
Nominal temperature			23 ± 2°C 73.4°F ± 3.6°F	
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 (ba-
nana plugs)**

WAPRZ2X2BLBB



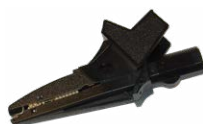
**Test lead 15 m,
red (banana plugs,
on H-frame reel)**

WAPRZ015REBBN



**Test lead 30 m, yel-
low (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 con-
tact test probe
(rod), 25 cm**

WASONG25



M1 hanging straps

WAPOZSZE4



M6 carrying case

WAFUTM6



**Factory calibra-
tion 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 40 m
/ 50 m / 60 m /
80 m for MRU
(banana plugs, on
a reel), yellow**

WAPRZ040YEBBSZ
WAPRZ050YEBBSZ
WAPRZ060YEBBSZ
WAPRZ080YEBBSZ



**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
WASONG80V2



**L3 carrying case
for 80 cm rods**

WAFUTL3



Test wire reel

WAPOZSZP1



**Calibration cer-
tificate with
accreditation**