

Metriso[®] 2000 – TEST-KIT (Part No.: 7100.2000.MK.E)

- Suitable for resistance to ground and point-to-point resistance measurements according to IEC 61340-4-1 Ed. 2.0 and IEC 61340-2-3
- Suitable for measuring the electrical resistance of footwear and flooring in combination with a person according to IEC 61340-4-5.
- Integrated data logger for 2500 values and infrared communication port for data transmission
- Clip-on humidity and temperature sensors
- Special guard socket reduces distortion at high value resistance measurements
- Includes two Probes Model 850 according to IEC 61340-4-1 Ed. 2.0 / IEC 61340-2-3 and a handheld probe according to IEC 61340-4-5



Technical data:

Test voltage:	DC 10V, 100V, 250V, 500V
Test range	
Resistance:	$10^3 - 10^{12} \Omega$
Temperature:	-10°C to +50°C
Humidity:	10% to 90%
Operation:	Battery operated or with rechargeable batteries
Probes:	2 x Model 850 1 x Handheld probe Model 45
Size:	140 x 50 x 270 mm (W x H x D)
Weight:	1120 g

Supplied with:

- Digital high resistance tester Metriso 2000
- Infrared interface adapter (USB)
- Communication software
- Humidity and temperature sensor
- 2 Probes Model 850 acc. to IEC 61340-4-1 /2-3
- 1 Handheld probe Model 45 acc. to IEC 61340-4-5
- Connecting cables
- Conductive carrying case
- User's Manual in German / English / French

Technical specifications

Measured Quantity	Measuring range	Test current / Impedance	Nominal values	Intrinsic Error
R_{ESD}	1 k Ω - 100 k Ω	---	$U_M = 10V$	$\pm(5\% \text{ rdg.} + 3 \text{ d})$
R_{ESD}	>100 k Ω - 10 G Ω	1 mA	$U_M = 100V$	$\pm(5\% \text{ rdg.} + 3 \text{ d})$
R_{ESD}	>10 G Ω - 100 G Ω	1 mA	$U_M = 100V$	$\pm(8\% \text{ rdg.} + 3 \text{ d})$
R_{ESD}	0 M Ω - 10 G Ω	1 mA	$U_M = 250/500V$	$\pm(5\% \text{ rdg.} + 3 \text{ d})$
R_{ESD}	0 M Ω - 100 G Ω	1 mA	$U_M = 250/500V$	$\pm(8\% \text{ rdg.} + 3 \text{ d})$
R_{ESD}	>100 G Ω - 1 T Ω	1 mA	$U_M = 100/250/500V$	$\pm(25\% \text{ rdg.} + 5 \text{ d})$
U_M	0 V - 720V	5 M Ω	---	$\pm(2,5\% \text{ rdg.} + 3 \text{ d})$
T	-10°C - +50°C	---	---	$\pm 2^\circ\text{C}$
F_{rel}	10% - 90 %	---	---	$\pm 5\%$

Power supply, battery life expectancy:

The instrument is supplied including the batteries (4 x 1,5 V baby cells)

Battery life is about 3000 measurements at R_{ESD} with one set of batteries.

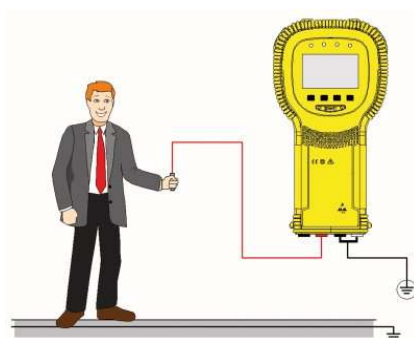
(With 10 sec. on-time and performance of one measurement before each automatic instrument shutdown)

- 1 year limited warranty
- Recommended calibration interval: 2 years

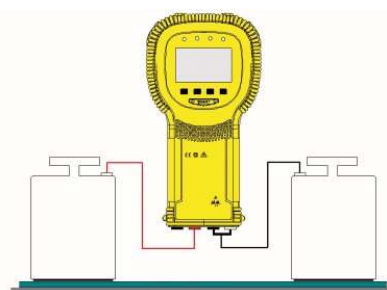
Accessories (optional):



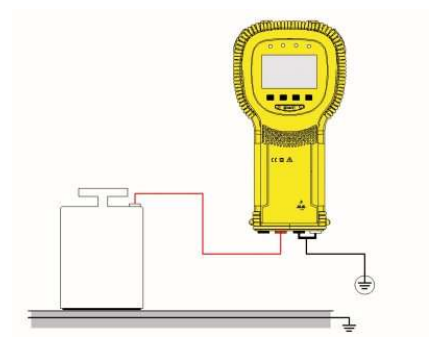
Part No.
7100.2000.TR50
50m Cable reel with unroll
handle for floor
measurement



R_G system
Resistance of person /
ESD shoes / flooring to ground



R_{P-P}
Point to Point Resistance



R_G
Resistance to ground or groundable
point