

## **Metriso<sup>®</sup> 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 $\Omega$ - 100 k $\Omega$	---	$U_M = 10V$	$\pm(5\% \text{ rdg.} + 3 \text{ d})$
$R_{ESD}$	>100 k $\Omega$ - 10 G $\Omega$	1 mA	$U_M = 100V$	$\pm(5\% \text{ rdg.} + 3 \text{ d})$
$R_{ESD}$	>10 G $\Omega$ - 100 G $\Omega$	1 mA	$U_M = 100V$	$\pm(8\% \text{ rdg.} + 3 \text{ d})$
$R_{ESD}$	0 M $\Omega$ - 10 G $\Omega$	1 mA	$U_M = 250/500V$	$\pm(5\% \text{ rdg.} + 3 \text{ d})$
$R_{ESD}$	0 M $\Omega$ - 100 G $\Omega$	1 mA	$U_M = 250/500V$	$\pm(8\% \text{ rdg.} + 3 \text{ d})$
$R_{ESD}$	>100 G $\Omega$ - 1 T $\Omega$	1 mA	$U_M = 100/250/500V$	$\pm(25\% \text{ rdg.} + 5 \text{ d})$
$U_M$	0 V - 720V	5 M $\Omega$	---	$\pm(2,5\% \text{ rdg.} + 3 \text{ d})$
T	-10 $^{\circ}C$ - +50 $^{\circ}C$	---	---	$\pm 2^{\circ}C$
$F_{rel}$	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.

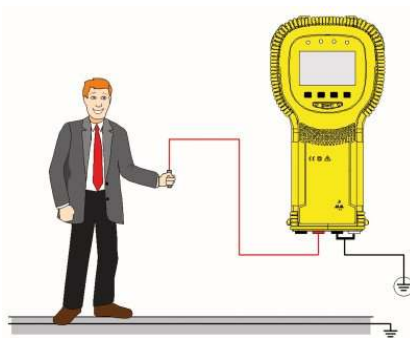
(With 10 sec. on-time and performance of one measurement before each automatic instrument shutdown)

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

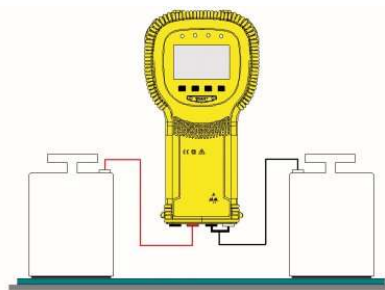
**Accessories (optional):**



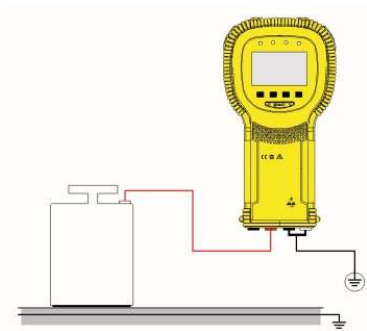
**Part No.**  
**7100.2000.TR50**  
50m Cable reel with unroll handle for floor measurement



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



$R_{P-P}$   
Point to Point Resistance



$R_G$   
Resistance to ground or groundable point