

Technical Information

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Part No.: 7100.2000.MK.E



◆ Untere Gießwiesen 21 ◆ 78247 Hilzingen ◆ Tel.: +49-7731-86880 ◆ Fax: +49-7731-868830

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

- Suitable for resistance to ground, surface and volume resistance measurements according to EN 61340-5-1, EN 61340-4-1 and EN 61340-2-3
- Suitable for measuring the electrical resistance of footwear and flooring in combination with a person according to EN 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 EN 61340-4-1 Ed. 2.0 / EN 61340-2-3



Probe
Model 850

Technical data:

Test voltage:	DC 10V, 100V, 250V, 500V
<i>Test range</i>	
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 EN 61340-4-1 Ed. 2.0
- 1 Handheld probe Model 45 acc. to EN 61340-4-5
- Connecting cables
- Conductive carrying case
- User's Manual in German / English / French

We believe all the information in these pages including technical data to be reliable. However we make no warranties expressed or implied and assume no liability regarding any use of this information.

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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)

Replace the batteries by NiCd rechargeable batteries when using the battery charger part no. 7100.2000.MK.Z501.D

- ▶ 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



Part No.
7100.2000.MK.Z501.D
Battery charger for rechargeable battery operation