

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 $^{\circ}C$ - +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.

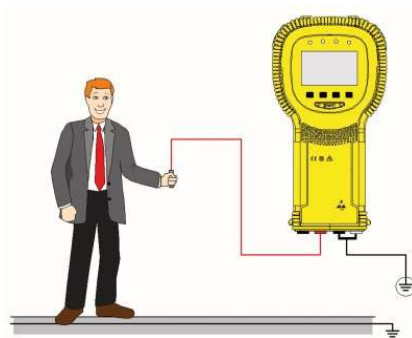
(With 10 sec. on-time and performance of one measurement before each automatic instrument shutdown)

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

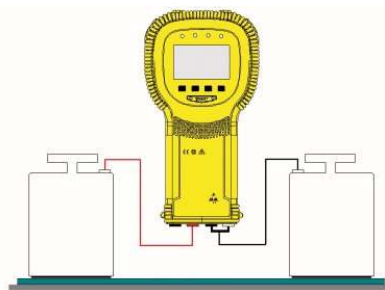
Accessories (optional):



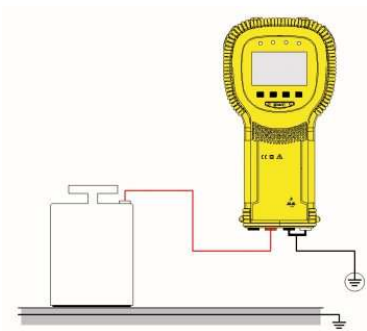
Part No.
7100.2000.TR50
50m Cable reel with unroll handle for floor measurement



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