

## Technical Information

### Metriso<sup>®</sup> 2000 – TEST-KIT

- Suitable for resistance to ground, surface and volume resistance measurements according to EN 61340-5-1, IEC 61340-4-1 and EN 61340-2-3
- Integrated data logger for 2500 values and infrared communication port for data transmission
- Clip-on humidity and temperature sensors (not shown in pictures)
- Special guard socket reduces distortion at high value resistance measurements



#### 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:	Model 850
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
- Communication software
- humidity and temperature sensor
- 2 probes
- Connecting cables
- Conductive carrying case
- User's Manual in German / English / French

## Technical Information

### 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°C - +50°C	---	---	$\pm 2^\circ C$
$F_{rel}$	10% - 90 %	---	---	$\pm 5\%$

### Power supply, battery life expectancy:

4 batteries 1,5 V

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)

### Accessories (optional):



50m Cable reel with unroll handle for floor measurement



Battery charger for rechargeable battery operation



Electrical ground tester for power sockets 230V 50/60Hz