

Metriso B530 Basic (Part No.: 7100.B530.MK.850)

- Suitable for resistance to ground and point-to-point resistance measurements according to IEC 61340-4-1 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.
- Low ohmic measurement range 1Ω - 10 kΩ to measure the resistance of grounded objects
- Digital and analog display with bar graph or pointer
- Optical Indicator LED red and green for voltage measuring range
- Optical Indicator LED red for Test/Measuring
- Includes two Probes Model 850 according to IEC 61340-4-1 / IEC 61340-2-3 and a handheld probe according to IEC 61340-4-5



Probe Modell 850



Handheld probe Model 45

Technical Information

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Part No.: 7100.B530.MK.850



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Technical data:

Test voltage: DC 10V, 100V, 500V
Test range Resistance: 1 Ω bis 199 G Ω
Operation: Battery operated
Probe: 2 x Model 850
1 x Handheld probe Model 45
Size: 225 x 130 x 140 mm (WxHxD)
Weight (complete KIT): 9 kg

Supplied with:

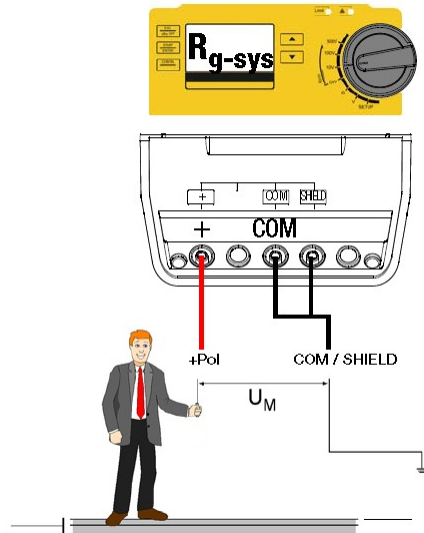
- Digital high resistance tester Metriso B530
- Connecting cables
- User's manual in German / English
- 2 probes Model 850 according to IEC 61340-4-1/2-3
- 1 handheld probe Model 45 according to IEC 61340-4-5
- Conductive carrying case

Technical specifications

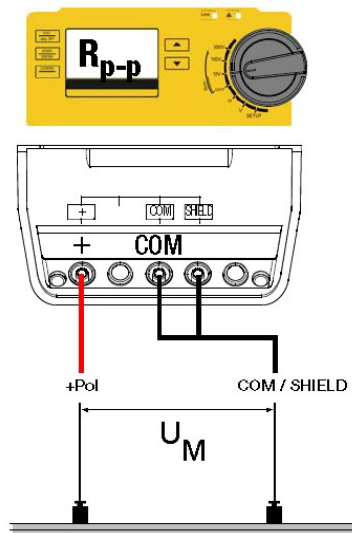
Meas. Qty.	U_M^2	Range	Measuring Range	Resolution	Intrinsic Uncertainty ¹	Measuring Uncertainty	Overload Capacity
RES	10 V ³	10 k Ω	1,0 k Ω ... 9,99 k Ω	0,01 k	$\pm(5\% \text{ rdg.} + 10 \text{ d})$	$\pm(7\% \text{ rdg.} + 10 \text{ d})$	500 V AC/DC TRMS
		100 k Ω	10,0 k Ω ... 99,9 k Ω	0,1 k	$\pm(5\% \text{ rdg.} + 3 \text{ d})^5$	$\pm(7\% \text{ rdg.} + 3 \text{ d})$	
		1 M Ω ⁴	100 k Ω ... 999 k Ω	1 k	$\pm(5\% \text{ rdg.} + 3 \text{ d})$	$\pm(7\% \text{ rdg.} + 3 \text{ d})$	
	500 V ³	10 M Ω	1,00 M Ω ... 9,99 M Ω	10 k	$\pm(5\% \text{ rdg.} + 3 \text{ d})$	$\pm(7\% \text{ rdg.} + 3 \text{ d})$	
		100 M Ω	10,0 M Ω ... 99,9 M Ω	100 k	$\pm(5\% \text{ rdg.} + 3 \text{ d})$	$\pm(7\% \text{ rdg.} + 3 \text{ d})$	
		1 G Ω	100 M Ω ... 999 M Ω	1 M	$\pm(5\% \text{ rdg.} + 3 \text{ d})$	$\pm(7\% \text{ rdg.} + 3 \text{ d})$	
		10 G Ω	1,00 G Ω ... 9,99 G Ω	10 M	$\pm(5\% \text{ rdg.} + 3 \text{ d})$	$\pm(10\% \text{ rdg.} + 3 \text{ d})$	
		100 G Ω	10,0 G Ω ... 99,9 G Ω	100 M	$\pm(8\% \text{ rdg.} + 3 \text{ d})$	$\pm(10\% \text{ rdg.} + 3 \text{ d})$	
		200 G Ω	100 G Ω ... 199 G Ω	1 G	$\pm(15\% \text{ rdg.} + 5 \text{ d})$	$\pm(25\% \text{ rdg.} + 20 \text{ d})$	
U AC/DC		100 V	10,0 V ... 99,9 V	0,1 V	$\pm(2,5\% \text{ rdg.} + 3 \text{ d})$	$\pm(5\% \text{ rdg.} + 3 \text{ d})$	500 V AC/DC TRMS
		500 V	100 V ... 499 V	1 V			
R	Display range as of 01,0 Ω	100 Ω	1,0 ... 99,9 Ω	0,1 Ω	$\pm(2,5\% \text{ rdg.} + 3 \text{ d})$	$\pm(5\% \text{ rdg.} + 3 \text{ d})$	500 V AC/DC TRMS
		1 k Ω	100 ... 999 Ω	1 Ω			
		10 k Ω	1,00 ... 9,99 k Ω	10 Ω			

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

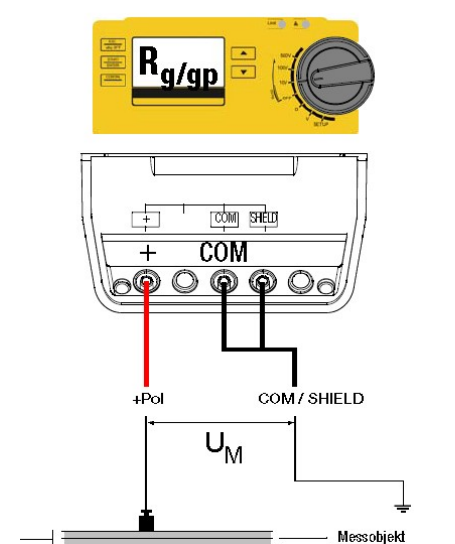
Possible measurements with the Metriso B530 Test-Kit



$R_{G \text{ system}}$
Resistance of person /
ESD shoes / flooring to ground



R_{P-P}
Point to Point Resistance



R_G
Resistance to ground or groundable
point

Optional:

Part No.: 7100.TF530

Digital Thermo-Hygrometer



Part No.: 7100.2000.TR50

50m Cable reel with unroll
handle for floor measurement

