

## Comparison table - insulation measuring instruments

									
	<b>METRISO</b>	<b>5024</b>	<b>1000A</b>	<b>500D</b>	<b>1000D 1000iR</b>	<b>METRISO C</b>	<b>5000A</b>	<b>5000AK</b>	<b>5000D-PI</b>
Measuring voltage	100/250/500V	50 ... 1000V	500 V	D: 100 V, IR: 250/500/1000 V	100/250/500/1000V	100/250/500/1000/ 1500/2000/2500/5000 V	100/250/500/1000/ 2500/5000 V		
Insulation resistance (Ohm)	0,1 ... 400 M with buzzer	0 ... 400 M	0 ... 3 G	0 ... 30 G	0 ... 100 G	10 k ... 1 T			10 k ... 1 T
Polarization index and absorption ratio	-	-	-	-	-	-	-	-	x
Low resist. measuring (Ohm)	0 ... 4 with buzzer	0 ... 4	0,01 ... 30	0,01 ... 30	0 ... 100	-	-	-	-
Voltage measurement $V_{AC/DC}$	0 ... 500 V	0 ... 1000 V	0 ... 500 V	0 ... 1000 V	0 ... 1200 V	0 ... 2000 V			0 ... 1000 V
Temperature / humidity	-	-	-	-	with T/F sensor	-	-	-	-
Contact current	-	-	-	-	0 ... 10 mA	-	-	-	-
Dielectric discharge	-	-	-	-	0 ... 1000 V	-	-	-	0 ... 5000 V
Breakdown voltage	-	-	-	-	-	-	-	-	50 ... 5 kV / 1 ... 500 V/s
Capacitance measurement	-	-	-	-	-	-	-	-	0,01 ... 10 $\mu$ F
Frequency measurement	-	-	-	-	1,5 ... 400 Hz	-	-	-	15 ... 400 Hz
Measurement value memory	-	-	HOLD-Funktion for reading measured values	HOLD-Funktion for reading measured values	x	-	-	-	x
PC Interface	-	-	-	-	IrDa	-	-	-	RS232

Power supply	4x 1,5 V Mignon IEC LR6 (AA)	6x 1,5 V Mono IEC R20 (D)	6x 1,5 V Mono IEC R20 (D)	6x 1,5 V Mono IEC R20 (D)	4x 1,5 V Baby IEC LR14 (C)	6x 1,5 V Mono IEC R20 (D)	Crank generator	Mains, 12 V-external or 8 ea. NiMH 9,6V / 3Ah
Approvals	CE	CE	CE, VDE-GS	CE, VDE-GS	CE, VDE-GS	CE, VDE-GS	CE, VDE-GS	CE
Dimensions mm	98 x 310 x 40	165 x 110 x 125	165 x 110 x 125	165 x 110 x 125	140 x 275 x 65	290 x 140 x 250		320 x 230 x 300
Weight	0,5 kg	1,6 kg	1,85 kg	1,85 kg	1,2 kg	3,4 kg		ca. 4,5 kg
Applications	1)	2)	3)	3)	3)	4)		5)
Article number	M540E	M540A	GTM5040000R0001	GTM5050000R0001	M541A	M580A	M580C	M5810

- 1) Voltage-free devices and equipment, for rugged service applications and laboratory use
- 2) Voltage-free devices and equipment, and for testing resistance at earthing, protective and equipotential bonding conductors
- 3) Voltage-free electrical devices and equipment, for testing resistance at earthing, protective and equipotential bonding conductors, and for testing devices under test for absence of voltage. METRISO 1000D and METRISO C only: testing floor coverings for discharge capability and electrostatic charging
- 4) Electrical systems, machines, transformers, cables and equipment used in, for example, locomotives, street cars and ocean going vessels
- 5) Electrical motors, machines, generators and cables