



Model	METRAHIT-ISO	METRAHIT-271	METRISO-500D	METRISO-1000A	METRISO-1000D	METRISO-1000 IR	METRISO-5000D-PI	METRISO-5000A	METRISO-5024	RISH-MIT 30	RISH-Insu 20
Measurement Category	600 V, CAT III 1000 V, CAT II	CAT II	CAT II	CAT II	CAT II	CAT II	600 V, CAT III 1000 V, CAT II	1000 V, CAT II 2000 V, CAT I	CAT II	600 V, CAT III 1000 V, CAT II	600 V, CAT III 1000 V, CAT II
Display	Digital	Digital	Digital	Analogue	Digital	Digital	Digital	Analogue	Analogue	Digital	Digital
Crank Generator	No	No	No	No	No	No	No	Yes	No	No	No
Test Voltage	50 V, 100 V, 250 V, 500 V, 1000 V	50 V, 100 V, 250 V, 500 V	500 V	50 V, 100 V, 250 V, 500 V, 1000 V	100 V, 500 V, 1000 V	250 V, 500 V, 1000 V	100 V, 250 V, 500 V, 1000 V, 1500 V, 2000 V, 2500 V, 5000 V	100 V, 250 V, 500 V, 1000 V, 1500 V, 2000 V, 2500 V, 5000 V	100 V, 250 V, 500 V	50 V, 100 V, 250 V, 500 V, 1000 V	50 V, 100 V, 250 V, 500 V, 1000 V
Insulation Resistance Range	0.1 K $\Omega$ 3100 M $\Omega$	0.01 M $\Omega$ to 3000 M $\Omega$	0.01 $\Omega$ to 3000 M $\Omega$	1 $\Omega$ to 400 M $\Omega$	0.01 $\Omega$ to 30 G $\Omega$	0.01 $\Omega$ to 30 G $\Omega$	0.4 M $\Omega$ to 1 T $\Omega$	10 K $\Omega$ to 1 T $\Omega$	0.1 $\Omega$ to 400 M $\Omega$	1 K $\Omega$ to 3100 M $\Omega$	10 k $\Omega$ to 1999 M $\Omega$
DC Voltage Measurement Range	100 $\mu$ V to 1000 V	100 $\mu$ V to 600 V	1 V to 500 V	1 V to 1000 V	1 V to 1000 V	1 V to 1000 V	1 V to 1000 V	1 V to 2000 V	1 V to 500 V	10 $\mu$ V to 1000 V	25 V to 600 V
DC Current Measurement Range	100 nA to 10 A	Clip-On Only	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100 nA to 300 mA	N/A
AC Voltage Measurement Range	100 $\mu$ V to 1000 V	100 $\mu$ V to 600 V	1 V to 500 V	1 V to 1000 V	1 V to 1000 V	1 V to 1000 V	1 V to 1000 V	1 V to 2000 V	1 V to 500 V	1 mV to 1000 V	25 V to 600 V
AC Current Measurement Range	100 nA to 10 A	Clip-On Only	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100 nA to 300 mA	N/A
Normal Resistance Range	10 m $\Omega$ to 30 M $\Omega$	0.001 m $\Omega$ to 30 M $\Omega$	0.01 m $\Omega$ to 30 $\Omega$	0.01 m $\Omega$ to 4 $\Omega$	0.01 m $\Omega$ to 30 $\Omega$	0.01 m $\Omega$ to 30 $\Omega$	N/A	N/A	N/A	10 m $\Omega$ to 30 M $\Omega$	0.01 $\Omega$ to 100 $\Omega$
TRMS Value	Yes	No	No	No	No	No	No	No	No	Yes	No
Clip-on current sensor input	Yes	Yes	No	No	No	No	No	No	No	Yes	No
Capacitance Measurement Range	10 pF to 300 $\mu$ F	N/A	N/A	N/A	N/A	N/A	0.1 $\mu$ F to 5 $\mu$ F	N/A	N/A	10 pF to 30 $\mu$ F	No
Frequency Measurement Range	0.1 Hz to 300 KHz	N/A	N/A	N/A	N/A	N/A	15 Hz to 1 kHz	N/A	N/A	0.1 Hz to 100 KHz	No
Temperature Measurement	Pt100/Pt1000	Pt100/Pt1000	No	No	No	No	No	No	No	Pt100/Pt1000	No
Continuity Test (Acoustic Signal)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Diode Test	Yes	Yes	No	No	No	No	No	No	No	Yes	Yes
Min/Max Record	Yes	Yes	No	No	No	No	No	No	No	Yes	No
PC Data Interface	IR/USB	IR/USB/RS232	No	No	No	No	Yes	No	No	RS-232	No
Data Storage	4 Mb	No	No	No	No	No	Yes	No	No	Yes	Yes
Display Illumination	Yes	Yes	No	No	No	No	No	Yes	Yes	No	No
Manufacturer Guarantee	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years

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