

ANALOGUE INSULATION/CONTINUITY TESTERS

MODEL 3131A



- Test insulation up to 100M Ω at 250V, 200M Ω at 500V, 400M Ω at 1000V and continuity up to 20 Ω .
- LIVE circuit warning lamp plus audible warning.
- Automatic discharge of circuit capacitance when TEST button is released.
- Fuse protected (continuity range only).
- Battery check LED.
- Front panel zero adjust.
- Back light function to facilitate working at dimly lit situations.
- PRESS TO TEST button with lock down feature.

3131A	
Insulation resistance	
Test voltage	250V/500V/1000V
Measuring ranges (Mid-scale value)	100M Ω /200M Ω /400M Ω (1M Ω) (2M Ω) (4M Ω)
Output voltage on open circuit	Rated test voltage +20%, -0%
Nominal current	1mA DC min.
Output short circuit current	1.3 mA DC approx.
Accuracy	0.1 - 10M Ω /0.2 - 20M Ω /0.4 - 40M Ω (Accuracy guaranteed ranges) \pm 5% of indicated value
Continuity	
Measuring ranges (Mid-scale value)	2 Ω /20 Ω (1 Ω)(10 Ω)
Output voltage on open circuit	4 - 9V DC
Measuring current	200mA DC min.
Accuracy	\pm 3% of scale length
General	
Applicable Standards	IEC 61010-1 CAT III 300V Pollution degree 2 IEC 61557-1/2/4 IEC 60529(IP54) IEC 61326-1(EMC)
Power source	R6(AA)(1.5V) \times 6
Dimensions	167(L) \times 185(W) \times 89(D)mm
Weight	860g approx.
Accessories	7122B(Test leads) 9074(Cord case) 8923(Fuse[0.5A/600V]) \times 1 (included), 1 (spares) R6(AA) \times 6, 9121(Shoulder strap), Instruction manual

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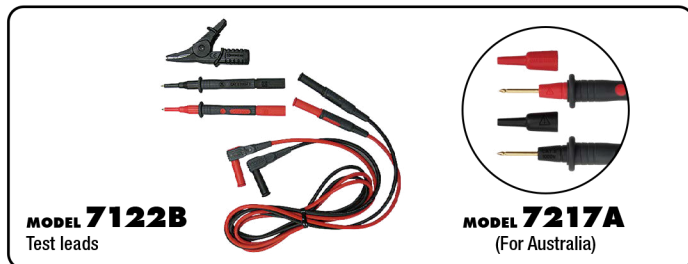


- Dust and drip proof construction. (designed to IEC 60529 IP54)
- Designed to meet IEC 61010-1 and IEC 61557 safety standard.
- 1mA rated test current at the minimum resistance.
- 200mA measuring current on continuity testing.
- Automatic discharge of circuit capacitance.
(Any charge stored in the circuit under test will be automatically discharged after testing.)
- Live circuit warning buzzer and neon lamp.
- Small and lightweight. Shock resistant new case material.
- AC voltmeter with linear, easy-to-read scale.
- Operates on AA, R6 \times 6 dry batteries.

3132A	
Insulation resistance	
Test voltage	250V/500V/1000V
Measuring ranges (Mid-scale value)	100M Ω /200M Ω /400M Ω (1M Ω) (2M Ω) (4M Ω)
Output voltage on open circuit	Rated test voltage +20%, -0%
Nominal current	1mA DC min.
Output short circuit current	1 - 2mA DC
Accuracy	0.1 - 10M Ω /0.2 - 20M Ω /0.4 - 40M Ω (Accuracy guaranteed ranges) \pm 5% of indicated value
Continuity	
Measuring ranges (Mid-scale value)	3 Ω /500 Ω (1.5 Ω /20 Ω)
Output voltage on open circuit	4.1V DC approx.
Measuring current	210mA DC min.
Accuracy	\pm 1.5% of scale length
AC voltage	
AC voltage range	0 - 600V AC
Accuracy	\pm 5% of scale length
General	
Applicable Standards	IEC 61010-1 CAT III 600V Pollution degree 2 IEC 61557-1/2/4 IEC 60529(IP54) IEC 61326-1(EMC)
Power source	R6(AA)(1.5V) \times 6
Dimensions	106(L) \times 160(W) \times 72(D)mm
Weight	560g approx.
Accessories	7122B(Test leads)* 9074(Cord case) 8923(Fuse[0.5A/600V]) \times 1 (included), 1 (spares) R6(AA) \times 6, 9121(Shoulder strap), Instruction manual

* 7217A(For Australia)

Accessory



Selection Guide

	3131A	3132A
3 range insulation test voltage	✓	✓
200mA continuity	✓	✓
Live circuit warning	✓	✓
AC voltage range		✓
Illuminated scale	✓	
Automatic discharge	✓	✓
IP54 rate	✓	✓

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