

MODEL 3131A



The Model 3131A offers unmatched performance, and feature including test lead resistance zero adjustment for time-saving continuous operation, a clear ease to read illuminated scale, and a live circuit warning.

- Test insulation up to 100MΩ at 250V, 200MΩ at 500V, 400MΩ at 1000V and continuity up to 20Ω.
- 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)	100MΩ/200MΩ/400MΩ (1MΩ) (2MΩ) (4MΩ)
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	0.1~10MΩ/0.2~20MΩ/0.4~40MΩ (Accuracy guaranteed ranges) ±5% of indicated value
Continuity	
Measuring ranges (Mid-scale value)	2Ω/20Ω(1Ω)(10Ω)
Output voltage on open circuit	4~9V DC
Measuring current	200mA DC min.
Accuracy	±3% of scale length
General	
Applicable standards	IEC 61010-1 CAT. III 300V Pollution degree 2 IEC 61010-031 IEC 61557-1/2/4 IEC 60529(IP54) IEC 61326-1(EMC)
Withstand voltage	3700V AC for 1 minute
Power source	R6P(AA)(1.5V) × 6
Dimensions	185(L) × 167(W) × 89(D)mm
Weight	860g approx.
Accessories	7122B(Test leads) 9074(Cord case) 8923(Fuse[0.5A/600V]) × 2 R6P(AA) × 6 9121(Shoulder strap) Instruction manual

MODEL 3132A



The Model 3132A is a highly compact and easy to use insulation and continuity tester.

Designed to strict IEC61010-1 safety standards, it has a protection degree IP54 and is ideally suited to more arduous environments. The instrument offers 3 insulation test ranges, a 3Ω continuity range and a 500Ω resistance range.

- Dust and drip proof construction. (designed to IEC60529 IP54)
- Designed to meet IEC61010-1 and IEC61557 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, R6P×6 dry batteries.

3132A	
Insulation resistance	
Test voltage	250V/500V/1000V
Measuring ranges (Mid-scale value)	100MΩ/200MΩ/400MΩ (1MΩ) (2MΩ) (4MΩ)
Output voltage on open circuit	Rated test voltage+20% -0%
Nominal current	1mA DC min.
Output short circuit current	1~2mA DC
Accuracy	0.1~10MΩ/0.2~20MΩ/0.4~40MΩ (Accuracy guaranteed ranges) ±5% of indicated value
Continuity	
Measuring ranges (Mid-scale value)	3Ω/500Ω (1.5Ω/20Ω)
Output voltage on open circuit	4.1V DC approx.
Measuring current	210mA DC min.
Accuracy	±1.5% of scale length
AC voltage	
AC voltage range	0~600V AC
Accuracy	±5% of scale length
General	
Applicable standards	IEC 61010-1 CAT. III 600V Pollution degree 2 IEC 61010-031 IEC 61557-1/2/4 IEC 60529(IP54) IEC 61326-1(EMC)
Withstand voltage	3700V AC for 1 minute
Power source	R6P(AA)(1.5V) × 6
Dimensions	106(L) × 160(W) × 72(D)mm
Weight	560g approx.
Accessories	7122B(Test leads) 9074(Cord case) 8923(Fuse[0.5A/600V]) × 2 R6P(AA) × 6 9121(Shoulder strap) Instruction manual

Accessory



Selection Guide

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