

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 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 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) \times 6 |
| Dimensions | 185(L) \times 167(W) \times 89(D)mm |
| Weight | 860g approx. |
| Accessories | 7122B(Test leads) 9074(Cord case) 8923(Fuse[0.5A/600V]) \times 2 R6P(AA) \times 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 3 Ω continuity range and a 500 Ω 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 \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 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) \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 2 R6P(AA) \times 6 9121(Shoulder strap) Instruction manual |

Accessory



MODEL 7122B
Test leads

Selection Guide

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