

DIGITAL INSULATION/CONTINUITY TESTERS

MODEL 3005A



MODEL 3007A



Features (3005A/3007A)

- Bar graph to display insulation resistance.
- Displays the value of external AC voltage along with flashing symbol.
- Auto null function to automatically subtract the test lead resistance before displaying the real continuity resistance value.
- Trac-Lok mode to conserve battery life on insulation and continuity tests (Model 3007A only).
- Live circuit warning beeper.
- Releasing the test button automatically discharges the charges stored in the circuit under test.
- Backlight function to view the test results in dimly lit areas (Model 3007A only).
- 200mA continuity measuring current to IEC 61557.
- Minimum 1mA current on insulation tests to IEC 61557.

MODEL 3001B



3005A/3007A

3005A/3007A	
Insulation resistance	
Test voltage	250V/500V/1000V
Measuring ranges	20MΩ/200MΩ/2000MΩ
Output voltage on open circuit	Rated test voltage +20%, -0%
Nominal current	1mA DC min.
Output short circuit current	1.5 mA DC approx.
Accuracy	±1.5%rdg±5dgt(20MΩ/200MΩ) ±10%rdg±3dgt(2000MΩ)
Continuity test	
Measuring ranges	20Ω/200Ω/2000Ω
Output voltage on open circuit	7~12V DC
Measuring current	200mA DC min.
Accuracy	±1.5%rdg±5dgt(20Ω) ±1.5%rdg±3dgt(200Ω/2000Ω)
AC voltage	
AC voltage range	0~600V AC
Accuracy	±5%rdg±3dgt
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)
Power source	R6P(AA)(1.5V) × 8
Dimensions	185(L) × 167(W) × 89(D)mm
Weight	990g approx.(3007A) 970g approx.(3005A)
Accessories	7122B(Test leads) 9074(Cord case) 8923(Fuse[F500mA/600V]) × 2 R6P(AA) × 8 9121(Shoulder strap) Instruction manual

Accessory



MODEL 7122B
Test leads

Selection Guide

	3005A	3007A
250V test voltage	✓	✓
500V test voltage	✓	✓
1000V test voltage	✓	✓
200mA continuity range	✓	✓
Live circuit warning	✓	✓
Illuminated scale		✓
Automatic discharge	✓	✓
Trac-loc for extended battery life		✓

3001B

3001B	
Insulation resistance	
Test voltage	500V/1000V
Measuring ranges	200MΩ(2/20/200MΩ) autoranging
Output voltage on open circuit	Rated test voltage +12%
Rated current	1~1.1mA DC approx.
Output short circuit current	1.5mA DC approx.
Accuracy	±2%rdg±1dgt
Continuity test	
Measuring ranges	200Ω(20/200Ω) autoranging
Output voltage on open circuit	600mV DC approx.
Output short circuit current	6mA approx.
Accuracy	±2%rdg±0.1Ω±1dgt
General	
Power source	R6P(AA)(1.5V) × 8
Dimensions	144(L) × 93(W) × 61(D)mm
Weight	460g approx.
Accessories	7025(Test leads) 9050(Carrying case) R6P(AA) × 8 Instruction manual