

ANALOGUE INSULATION TESTERS

MODEL 3161A



AC V



- Miniature lightweight insulation tester. It weighs only 340g(battery included), but carries full measurement functions.
- Automatic discharge of circuit capacitance.
- Test leads with remote control switch .
- New robust housing case.
- Back light function.

3161A	
Insulation resistance	
Test Voltage	15V/500V
Max. effective scale value	20MΩ/100MΩ
Mid-scale value	0.05MΩ/2MΩ
First effective measuring ranges	0.005 - 2MΩ/0.1 - 50MΩ
Accuracy	±5% of indicated value
Second effective measuring ranges	Measuring ranges other than above, 0 and ∞
Accuracy	±10% of indicated value
AC voltage	
AC voltage range	600V
Accuracy	±3% of full scale value
Applicable Standards	IEC 61010-1 CAT III 300V, CAT II 600V
Power source	R6(AA)(1.5V) × 4
Dimensions	90(L) × 137(W) × 40(D)mm
Weight	340g approx.
Accessories	7149A(Test leads with remote control switch set) 9123(Shoulder strap) R6(AA) × 4, Instruction manual
Optional	7116(Extension probe), 8016(Hook type prod)

MODEL 3165/3166



AC V

- 500V/1000MΩ (Model 3165)
- 1000V/2000MΩ (Model 3166)
- Expanded megohm scale for easy reading.
- New robust housing case to prevent damage.
- AC voltmeter scale for easy reading.

photo : 3165

	3165	3166
Insulation resistance		
Test voltage	500V	1000V
Max. effective scale value	1000MΩ	2000MΩ
Mid-scale value	20MΩ	50MΩ
First effective measuring range	1 - 500MΩ	2 - 1000MΩ
Accuracy	±5% rdg	
Second effective measuring range	0.5/1000MΩ	1/2000MΩ
Accuracy	±10% rdg	
AC voltage		
AC voltage range	600V	
Accuracy	±3% of full scale value	
Power source	R6(AA)(1.5V) × 4	
Dimensions	90(L) × 137(W) × 40(D)mm	
Weight	330g approx.	
Accessories	7025(Test leads), 9074(Cord case), 9123(Shoulder strap) R6(AA) × 4, Instruction manual	

KEY 3431



DC AC V



- Compact and lightweight design.
- Scale light and LED spot light to facilitate working at dimly illuminated location or at nighttime work.
- Built-in illuminance sensor automatically turns on off the lights.
- Test probe with remote control switch is supplied as standard accessory.
- Live circuit warning with blinking LED and buzzer.

3431		
Insulation resistance		
Test Voltage	250V	500V
Max. effective scale value	200MΩ	1000V
Mid-scale value	5MΩ	2000MΩ
First effective measuring ranges	0.1MΩ - 100MΩ	1MΩ - 1000MΩ
Accuracy	±5% of indicated value	
Second effective measuring ranges	Measuring ranges other than above, 0 and ∞	
Accuracy	±10% of indicated value	
Voltage measurement		
Voltage	AC 600V (45 - 65Hz)/DC 600V	
Accuracy	±5% of indicated value	
Applicable Standards	CAT III 600V	
Power source	LR6/R6(AA)(1.5V) × 4	
Dimensions	97(L) × 156(W) × 46(D)mm	
Weight	430g approx.	
Accessories	7260(Test lead with remote control switch set), 7261(Test lead with alligator clip), 9173(Carrying case), 8017A(Extension prod long), 9121(Shoulder strap), LR6(AA) × 4, Instruction manual	
Optional	7243(L-shaped probe), 8016(Hook type prod)	