

# 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	20M $\Omega$ /100M $\Omega$
Mid-scale value	0.05M $\Omega$ /2M $\Omega$
First effective measuring ranges	0.005 - 2M $\Omega$ /0.1 - 50M $\Omega$
Accuracy	$\pm$ 5% of indicated value
Second effective measuring ranges	Measuring ranges other than above, 0 and $\infty$
Accuracy	$\pm$ 10% of indicated value
AC voltage	
AC voltage range	600V
Accuracy	$\pm$ 3% of full scale value
Applicable Standards	IEC 61010-1 CAT III 300V, CAT II 600V
Power source	R6(AA)(1.5V) $\times$ 4
Dimensions	90(L) $\times$ 137(W) $\times$ 40(D)mm
Weight	340g approx.
Accessories	7149A(Test leads with remote control switch set) 9123(Shoulder strap) R6(AA) $\times$ 4, Instruction manual
Optional	8016(Hook type prod)

## MODEL 3165/3166



AC V

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

## KEW 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	1000V
Max. effective scale value	200M $\Omega$		2000M $\Omega$
Mid-scale value	5M $\Omega$		50M $\Omega$
First effective measuring ranges	0.1M $\Omega$ - 100M $\Omega$		1M $\Omega$ - 1000M $\Omega$
Accuracy	$\pm$ 5% of indicated value		
Second effective measuring ranges	Measuring ranges other than above, 0 and $\infty$		
Accuracy	$\pm$ 10% of indicated value		
Voltage measurement			
Voltage	AC 600V (45 - 65Hz)/DC 600V		
Accuracy	$\pm$ 5% of indicated value		
Applicable Standards	IEC 61010-1, 2-030 CAT III 600V Pollution degree 2, IEC 61010-031		
Power source	LR6/R6(AA)(1.5V) $\times$ 4		
Dimensions	97(L) $\times$ 156(W) $\times$ 46(D)mm		
Weight	430g approx.		
Accessories	7260(Test lead with remote control switch set), 7261A(Test lead with alligator clip), 9173(Carrying case), 8017A(Extension prod long), 9121(Shoulder strap), LR6(AA) $\times$ 4, Instruction manual		
Optional	9186A(Carrying case), 9187(Cord case) 7243A(L-shaped probe), 8016(Hook type prod)		

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