

Selection Guide of Insulation Testers

	Analogue Insulation Testers				Analogue Insulation/Continuity Testers	
MODEL	3165	3166	3161A	3321A	3131A	3132A
Appearance	     					
Test voltage	1 range		2 ranges	3 ranges		
Rated voltage (Max.effective scale value)	500V(1000M Ω)	1000V(2000M Ω)	15V(20M Ω) 500V(100M Ω)	250V(50M Ω) 500V(100M Ω) 1000V(2000M Ω)	250V(100M Ω) 500V(200M Ω) 1000V(400M Ω)	250V(100M Ω) 500V(200M Ω) 1000V(400M Ω)
Continuity ranges	—	—	—	—	2/20 Ω	3/500 Ω
AC Voltage ranges	600V	600V	600V	600V	—	600V
Back light	—	—	✓	✓	✓	—
Power source	R6P x 4	R6P x 4	R6P x 4	R6P x 6	R6P x 6	R6P x 6
Dimensions(L)x(W)x(D)mm	90x137x40	90x137x40	90x137x40	105x158x70	185x167x89	106x160x72
Weight(Approx.)	330g	330g	340g	520g	860g	560g

	Digital Insulation/Continuity Testers					
MODEL	3001B	3005A	3007A	3021	3022	3023
Appearance	   					
Test voltage	2 ranges	3 ranges		4 ranges		
Rated voltage (Max.effective scale value)	500V(200M Ω) 1000V(200M Ω)	250V(20M Ω) 500V(200M Ω) 1000V(2000M Ω)	250V(20M Ω) 500V(200M Ω) 1000V(2000M Ω)	125V(200M Ω) 250V(2000M Ω) 500V(2000M Ω) 1000V(2000M Ω)	50V(200M Ω) 100V(200M Ω) 250V(2000M Ω) 500V(2000M Ω)	100V(200M Ω) 250V(2000M Ω) 500V(2000M Ω) 1000V(2000M Ω)
Continuity ranges	200 Ω	20/200/2000 Ω	20/200/2000 Ω	40/400 Ω	40/400 Ω	40/400 Ω
AC Voltage ranges	—	600V	600V	20~600V	20~600V	20~600V
DC Voltage ranges	—	—	—	-20~-600V 20~600V	-20~-600V 20~600V	-20~-600V 20~600V
Back light	—	—	✓	✓	✓	✓
Power source	R6P x 8	R6P x 8	R6P x 8	R6P x 6	R6P x 6	R6P x 6
Dimensions(L)x(W)x(D)mm	144x93x61	185x167x89	185x167x89	105x158x70	105x158x70	105x158x70
Weight(Approx.)	460g	970g	990g	600g	600g	600g

	Analogue High Insulation Testers				Digital High Insulation Testers				
MODEL	3121A	3122A	3123A	3124	3125	3126	3127	3128	
Appearance	 photo:3123A								
Test voltage	1 range		2 ranges	Variable	4 ranges		5 ranges	6 ranges(Variable)	
Rated voltage (Max.effective scale value)	2500V (100G Ω)	5000V (200G Ω)	5000V (200G Ω) 10000V (400G Ω)	1000V(100M Ω) 1k $\sim$ 10kV(100G Ω)	500V(999M Ω) 1000V(1.99G Ω) 2500V(99.9G Ω) 5000V(1T Ω)	500V(999M Ω) 1000V(1.99G Ω) 2500V(99.9G Ω) 5000V(1T Ω)	250V(9.99G Ω) 500V(99.9G Ω) 1000V(199G Ω) 2500V(999G Ω) 5000V(9.99T Ω)	500V(500G Ω) 1000V(1T Ω) 2500V(2.5T Ω) 5000V(5T Ω) 10000V(35T Ω) 12000V(35T Ω)	
AC/DC Voltage ranges	—	—	—	—	30 $\sim$ 600V AC/DC	30 $\sim$ 600V AC/DC	30 $\sim$ 600V AC/DC	30 $\sim$ 600V AC/DC	
Back light	—	—	—	—	✓	✓	✓	✓	
Current	—	—	—	—	—	—	0.00nA $\sim$ 5.50mA	0.00nA $\sim$ 2.40mA	
Capacitance	—	—	—	—	—	—	5.0nF $\sim$ 50.0 μ F	5.0nF $\sim$ 50.0 μ F	
Power source	R6P x 8	R6P x 8	R6P x 8	Ni-Cd rechargeable battery(1.2V) x 8	LR14 x 8	LR14 x 8	Rechargeable lead-acid battery (12V)	Rechargeable lead-acid battery (12V)	
Dimensions(L)x(W)x(D)mm	200x140x80	200x140x80	200x140x80	200x140x80	205x152x94	205x152x94	208x225x130	330x410x180 *Instrument and Hard case	
Weight(Approx.)	1000g	1000g	1000g	1500g	1800g	1800g	4000g	9000g	