

Selection Guide of Insulation Testers

	Analogue Insulation Testers			Analogue Insulation/Continuity Testers		
MODEL	3165	3166	3161A	3321A	3131A	3132A
Appearance	 photo:3165					
Test voltage	1 range		2 range	3 range		
Rated voltage (Max.effective scale value)	500V(1000MΩ)	1000V(2000MΩ)	15V(20MΩ) 500V(100MΩ)	250V(50MΩ) 500V(100MΩ) 1000V(2000MΩ)	250V(100MΩ) 500V(200MΩ) 1000V(400MΩ)	250V(100MΩ) 500V(200MΩ) 1000V(400MΩ)
Continuity ranges	-	-	-	-	2/20Ω	3/500Ω
AC Voltage ranges	600V	600V	600V	600V	-	600V
Back light	-	-	✓	✓	✓	-
Power source	R6 x 4	R6 x 4	R6 x 4	R6 x 6	R6 x 6	R6 x 6
Dimensions (L)x(W)x(D)mm	90x137x40	90x137x40	90x137x40	105x158x70	167x185x89	106x160x72
Weight(Approx.)	330g	330g	340g	520g	860g	560g

	Digital Insulation/Continuity Testers					
MODEL	3001B	3005A	3007A	3021	3022	3023
Appearance				 photo:3021		
Test voltage	2 ranges	3 ranges		4 ranges		
Rated voltage (Max.effective scale value)	500V(200MΩ) 1000V(200MΩ)	250V(20MΩ) 500V(200MΩ) 1000V(2000MΩ)	250V(20MΩ) 500V(200MΩ) 1000V(2000MΩ)	125V(200MΩ) 250V(200MΩ) 500V(2000MΩ) 1000V(2000MΩ)	50V(200MΩ) 100V(200MΩ) 250V(2000MΩ) 500V(2000MΩ)	100V(200MΩ) 250V(2000MΩ) 500V(2000MΩ) 1000V(2000MΩ)
Continuity ranges	200Ω	20/200/2000Ω	20/200/2000Ω	40/400Ω	40/400Ω	40/400Ω
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	R6 x 8	R6 x 4	R6 x 4	R6 x 6	R6 x 6	R6 x 6
Dimensions (L)x(W)x(D)mm	144x93x61	167x185x89	167x185x89	105x158x70	105x158x70	105x158x70
Weight(Approx.)	460g	970g	990g	600g	600g	600g

	Analogue High Insulation Testers				
MODEL	3121B/3122B	3121A	3122A	3123A	3124
Appearance	 photo:3121B	 photo:3123A			
Test voltage	1 range	1 range		2 ranges	Variable
Rated voltage (Max.effective scale value)	3121B: 2500V(100GΩ) 3122B: 5000V(200GΩ)	2500V(100GΩ)	5000V(200GΩ)	5000V(200GΩ) 10000V(400GΩ)	1000V(100MΩ) 1k - 10kV(100GΩ)
AC/DC Voltage ranges	-	-	-	-	-
Back light	-	-	-	-	-
Current	-	-	-	-	-
Capacitance	-	-	-	-	-
Power source	LR14 x 8	R6 x 8	R6 x 8	R6 x 8	Ni-Cd rechargeable battery (1.2V) x 8
Dimensions (L)x(W)x(D)mm	177x226x100	200x140x80	200x140x80	200x140x80	200x140x80
Weight(Approx.)	3121B: 1600g 3122B: 1700g	1000g	1000g	1000g	1500g

	Digital High Insulation Testers				
MODEL	3025A/3125A	3125	3126	3127	3128
Appearance	 photo:3125A				
Test voltage	3025A: 4 ranges 3125A: 5 ranges	4 ranges	4 ranges	5 ranges	6 ranges(Variable)
Rated voltage (Max.effective scale value)	250V(100MΩ) 500V(1000MΩ) 1000V(2GΩ) 2500V(100GΩ) 5000V(1000Ω)*	500V(999MΩ) 1000V(1.99GΩ) 2500V(99.9GΩ) 5000V(1TΩ)	500V(999MΩ) 1000V(1.99GΩ) 2500V(99.9GΩ) 5000V(1TΩ)	250V(9.99GΩ) 500V(99.9GΩ) 1000V(199GΩ) 2500V(999GΩ) 5000V(9.99TΩ)	500V(500GΩ) 1000V(1TΩ) 2500V(2.5TΩ) 5000V(5TΩ) 10000V(35TΩ) 12000V(35TΩ)
AC/DC Voltage ranges	30 - 600V AC/DC	30 - 600V AC/DC	30 - 600V AC/DC	30 - 600V AC/DC	30 - 600V AC/DC
Back light	✓	✓	✓	✓	✓
Current	-	-	-	0.00nA - 5.50mA	5.00nA - 2.40mA
Capacitance	-	-	-	5.0nF - 50.0μF*	5.0nF - 50.0μF*
Power source	LR14 x 8	LR14 x 8	LR14 x 8	Rechargeable lead storage battery (12V)	Rechargeable lead storage battery (12V)
Dimensions(L)x(W)x(D)mm	177x226x100	205x152x94	205x152x94	380x430x154 (Instrument and Hard case)	330x410x180 (Instrument and Hard case)
Weight(Approx.)	3025A: 1700g 3125A: 1900g	1800g	1800g	8000g	9000g

*3125A only

*At 5000V range
5.0nF - 25.0μF

*At 10000V/12000V range
5.0nF - 1.0μF