

Selection guide of Insulation Testers

Analogue Insulation Testers						
MODEL	3131A	3132A	3144A	3145A	3146A	3161A
Appearance			 photo: 3144A			
Range	3 ranges	3 ranges	1 range	1 range	1 range	1 range
Rated voltage (Max. effective scale value)	250V (100M Ω) 500V (200M Ω) 1000V (400M Ω)	250V (100M Ω) 500V (200M Ω) 1000V (400M Ω)	250V (50M Ω) 500V (100M Ω)	125V (20M Ω) 250V (50M Ω)	50V (10M Ω) 125V (20M Ω)	15V (20M Ω) 500V (100M Ω)
Effective measuring ranges	0.1~10M Ω (250V) 0.2~20M Ω (500V) 0.4~40M Ω (1000V)	0.1~10M Ω (250V) 0.2~20M Ω (500V) 0.4~40M Ω (1000V)	0.05~20M Ω (250V) 0.1~50M Ω (500V)	0.02~10M Ω (125V) 0.5~20M Ω (250V)	0.01~5M Ω (50V) 0.02~10M Ω (125V)	0.005~2M Ω (15V) 0.1~50M Ω (500V)
Continuity ranges	2/20 Ω	3/500 Ω				
AC Voltage range		600V	600V	300V	300V	600V
Power source	R6P(AA) x 6	R6P(AA) x 6	R6P(AA) x 4	R6P(AA) x 4	R6P(AA) x 4	R6P(AA) x 4
Dimensions (L)x(W)x(D)mm	185 x 167 x 89	106 x 160 x 72	90 x 137 x 40	90 x 137 x 40	90 x 137 x 40	90 x 137 x 40
Weight (Aoorox.)	860g	560g	340g	340g	340g	340g

Analogue Insulation Testers							
MODEL	3165	3166	3321A	3322A	3323A	3315	3316
Appearance	 photo: 3165		 photo: 3321A			 photo: 3315	
Range	1 range	1 range	3 ranges	3 ranges	3 ranges	4 ranges	4 ranges
Rated voltage (Max. effective scale value)	500V (1000M Ω)	1000V (2000M Ω)	250V (50M Ω) 500V (100M Ω) 1000V (2000M Ω)	125V (20M Ω) 250V (50M Ω) 500V (100M Ω)	25V (10M Ω) 50V (10M Ω) 100V (20M Ω)	125V (20M Ω) 250V (50M Ω) 500V (100M Ω) 1000V (2000M Ω)	50V (10M Ω) 125V (20M Ω) 250V (50M Ω) 500V (100M Ω)
Effective measuring ranges	1~500M Ω	2~1000M Ω	0.05~20M Ω (50V) 0.1~50M Ω (500V) 2~1000M Ω (1000V)	0.02~10M Ω (125V) 0.05~20M Ω (250V) 0.1~50M Ω (500V)	0.01~5M Ω (25V) 0.01~5M Ω (50V) 0.02~10M Ω (100V)	0.02~10M Ω (125V) 0.05~20M Ω (250V) 0.1~50M Ω (500V) 2~1000M Ω (1000V)	0.01~5M Ω (50V) 0.02~10M Ω (125V) 0.05~20M Ω (250V) 0.01~50M Ω (500V)
AC Voltage range	600V	600V	600V	600V	600V	600V	600V
Power source	R6P(AA) x 4	R6P(AA) x 4	R6P(AA) x 6	R6P(AA) x 6	R6P(AA) x 6	R6P(AA) x 6	R6P(AA) x 6
Dimensions (L)x(W)x(D)mm	90 x 137 x 40	90 x 137 x 40	105 x 158 x 70	105 x 158 x 70	105 x 158 x 70	105 x 158 x 70	105 x 158 x 70
Weight (Aoorox.)	330g	330g	520g	520g	520g	340g	340g

Digital Insulation / Continuity Testers						
MODEL	3001B	3005A	3007A	3021	3022	3023
Appearance				 photo: 3021		
Range	2 ranges	3 ranges	3 ranges	4 ranges	4 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)
Effective measuring ranges	0~200M Ω (500/1000V)	20/200/2000M Ω (250/500/1000V)	20/200/2000M Ω (250/500/1000V)	0.1~20M Ω (125V) 0.1~40M Ω (250V) 0.1~200M Ω (500V) 0.1~1000M Ω (1000V)	0.1~20M Ω (50V) 0.1~20M Ω (100V) 0.1~40M Ω (250V) 0.1~200M Ω (500V)	0.1~20M Ω (100V) 0.1~40M Ω (250V) 0.1~200M Ω (500V) 0.1~1000M Ω (1000V)
Continuity ranges	200 Ω	20/200/2000 Ω	20/200/2000 Ω	40/400 Ω	40/400 Ω	40/400 Ω
AC Voltage range	-	600V	600V	AC 20~600V DC -20~-600V/20~-600V	AC 20~600V DC -20~-600V/20~-600V	AC 20~600V DC -20~-600V/20~-600V
Power source	R6P(AA) x 8	R6P(AA) x 8	R6P(AA) x 8	R6P(AA) x 6	R6P(AA) x 6	R6P(AA) x 6
Dimensions (L)x(W)x(D)mm	144 x 93 x 61	185 x 167 x 89	185 x 167 x 89	105 x 158 x 70	105 x 158 x 70	105 x 158 x 70
Weight (Aoorox.)	460g	970g	990g	600g	600g	600g

Analogue High Voltage Insulation Testers				Digital High Voltage Insulation Testers		
MODEL	3121	3122	3123	3124	3125	3128
Appearance	 photo: 3123					
Range	1 range	1 range	2 ranges	2 ranges	4 ranges	6 ranges
Rated voltage (Max. effective scale value)	2500V (2/100G Ω)	5000V (5/200G Ω)	5000V (5/200G Ω) 10000V (10/400G Ω)	1k~10kV (100G Ω) 1000V (100M Ω)	500V (999M Ω) 1000V (1.99G Ω) 2500V (99.9G Ω) 5000V (1T Ω)	500V (500G Ω) 1000V (1T Ω) 2500V (2.5T Ω) 5000V (5T Ω) 10000V (35T Ω) 12000V (35T Ω)
Effective measuring ranges	0.1~50G Ω	0.2~100G Ω	0.2~100G Ω (5000V) 0.4~200G Ω (10000V)	0.05~50G Ω (1k $\wedge$ 10kV) 1~100M Ω (1000V)	0~999M Ω (500V) 0~1.99G Ω (1000V) 0~99.9G Ω (2500V) 0~1T Ω (5000V)	0~500G Ω (500V) 0~1T Ω (1000V) 0~2.5T Ω (2500V) 0~5T Ω (5000V) 0~35T Ω (10000V) 0~35T Ω (12000V)
AC Voltage range	-	-	-	-	30~600V AC/DC	30~600V AC/DC
Current	-	-	-	-	-	5.0nA~2.40mA
Capacitance	-	-	-	-	-	5.0nF~5.0 μ F
Power source	R6P(AA) x 8	R6P(AA) x 8	R6P(AA) x 8	Ni-Cd rechargeable battery(1.2V) x 8	R14(DC12V) x 8	Rechargeable lead storage battery (12V)
Dimensions (L)x(W)x(D)mm	200 x 140 x 80	200 x 140 x 80	200 x 140 x 80	200 x 140 x 80	205 x 152 x 94	330 x 410 x 180 *Instrument and Hard case
Weight (Aoorox.)	1000g	1000g	1000g	1500g	1800g	9000g