

Megohmmeter - Hard Case Comparison Chart

v0517

All calculate DAR/PI, have Backlit Analog Bargraph Display and are IP 65 with lid closed.										
Model	1050	1060	6505	5050	5060	5070	6550	6555	Model	Function
Function	1050	1060	6505	5050	5060	5070	6550	6555	Model	Function
Test Voltage Max	1,000V	1,000V	5,000V	5,000V	5,000V	5,000V	10,000V	15,000V	Test Voltage Max	
Test Voltages - Fixed	50,100,250, 500,1000	50,100,250, 500,1000	500,1000, 2500,5000	500,1000, 2500,5000	500,1000, 2500,5000	500,1000, 2500,5000	500,1000, 2500,5000, 10000	500,1000, 2500,5000, 10000,15000	Test Voltages - Fixed	
Test Voltages - Variable (resolution)	-	-	40-5100V (10V,100V)	40-5100V (10V,100V)	40-5100V (10V,100V)	40-5100V (10V,100V)	40-10,000V (10V,100V)	40-15,000V (10V,100V)	Test Voltages - Variable (resolution)	
MEGΩ - Max	4TΩ (4000GΩ)	4TΩ (4000GΩ)	10TΩ (10,000GΩ)	10TΩ (10,000GΩ)	10TΩ (10,000GΩ)	10TΩ (10,000GΩ)	25TΩ (25,000GΩ)	29TΩ (29,000GΩ)	MEGΩ - Max	
Step Voltage Test	-	-	-	-	-	•	•	•	Step Voltage Test	
Ramp Voltage Test	-	-	-	-	-	-	•	•	Ramp Voltage Test	
Timer (range)	• (1-59min)	• (1-59min)	-	• (1-60min)	• (1-60min)	• (1min-50hrs)	• (1s-100min)	• (1s-100min)	Timer (range)	
DAR / PI / DD	• / • / -	• / • / -	• / • / -	• / • / •	• / • / •	• / • / •	• / • / •	• / • / •	DAR / PI / DD	
Alarm	•	•	-	•	•	•	•	•	Alarm	
Filter or Smooth	•	•	-	•	•	•	•	•	Filter or Smooth	
Auto Discharge	•	•	•	•	•	•	•	•	Auto Discharge	
Auto OFF	•	•	-	•	•	•	•	•	Auto OFF	
Insulation Test Current	<6mA _{dc}	<6mA _{dc}	<3mA	<1.6mA	<1.6mA	<1.6mA	<5mA (option to limit)	<5mA (option to limit)	Insulation Test Current	
R at Ref. Temp.	-	-	-	-	-	-	•	•	R at Ref. Temp.	
Automatic Test Inhibition on Live Samples	>25 Vac, >35 Vdc	>25 Vac, >35 Vdc	>25 Vac, >35 Vdc	Selectable 3,10,20% of Test Voltage	Selectable 3,10,20% of Test Voltage	Selectable 3,10,20% of Test Voltage	40% of Test Voltage, max 1000Vac	40% of Test Voltage, max 1000Vac	Automatic Test Inhibition on Live Samples	
Voltage Measurement	≤ 1000V	≤ 1000V	≤ 2500V (AC) ≤ 5100V (DC)	≤ 2500V (AC) ≤ 4000V (DC)	≤ 2500V (AC) ≤ 4000V (DC)	≤ 2500V (AC) ≤ 4000V (DC)	≤ 2500V (AC) ≤ 4000V (DC)	≤ 2500V (AC) ≤ 4000V (DC)	Voltage Measurement	
Voltage Frequency	16-65Hz	16-65Hz	15-500Hz	15-500Hz	15-500Hz	15-500Hz	15-500Hz	15-500Hz	Voltage Frequency	
Resistance	400kΩ	400kΩ	-	-	-	-	-	-	Resistance	
Continuity	40Ω	40Ω	-	-	-	-	-	-	Continuity	
Lead Compensation	• (Cont <5Ω)	• (Cont <5Ω)	-	-	-	-	• (IR Test 44kΩ)	• (IR Test 44kΩ)	Lead Compensation	
Capacitance	5n-5μF	5n-5μF	1n-50μF	5n-50μF	5n-50μF	5n-50μF	5n-50μF	5n-50μF	Capacitance	
Memory	-	1500 IR Tests	-	1500 IR Tests	1500 IR Tests	1500 IR Tests	256 IR Tests	256 IR Tests	Memory	
Communication	-	RS-232 (USB Adapter included)	-	-	RS-232 (USB Adapter included)	RS-232 (USB Adapter included)	USB (Optically Isolated)	USB (Optically Isolated)	Communication	
Software	-	•	-	-	•	•	•	•	Software	
Graphic Display	-	-	-	-	-	•	•	•	Graphic Display	
Power Supply	8 x C Alkaline	9.6V Ni-Mh Rechargeable or line power	9.6V Ni-Mh Rechargeable or line power	9.6V Ni-Mh Rechargeable or line power	9.6V Ni-Mh Rechargeable or line power	9.6V Ni-Mh Rechargeable or line power	2 x 9.6V Ni-Mh Rechargeable or line power	2 x 9.6V Ni-Mh Rechargeable or line power	Power Supply	
Safety	600V CAT III	600V CAT III	1000V CAT III 2500V CAT I	1000V CAT III 2500V CAT I	1000V CAT III 2500V CAT I	1000V CAT III 2500V CAT I	1000V CAT IV	1000V CAT IV	Safety	
Protection	IP 54 (lid open)	IP 54 (lid open)	IP 53 (lid open)	IP 53 (lid open)	IP 53 (lid open)	IP 53 (lid open)	IP 54 (lid open)	IP 54 (lid open)	Protection	
Model	1050	1060	6505	5050	5060	5070	6550	6555	Model	Function