


# Megohmmeter - Hard Case Comparison Chart

v1018

All calculate DAR/PI, have Backlit Analog Bargraph Display and are IP 65 with lid closed.											
											
Function	Model	1050	1060	6505	5050	5060	5070	6550	6555	Model	Function
Test Voltage Max		<b>1,000V</b>	<b>1,000V</b>	<b>5,000V</b>	<b>5,000V</b>	<b>5,000V</b>	<b>5,000V</b>	<b>10,000V</b>	<b>15,000V</b>		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		<b>4TΩ</b> (4000GΩ)	<b>4TΩ</b> (4000GΩ)	<b>10TΩ</b> (10,000GΩ)	<b>10TΩ</b> (10,000GΩ)	<b>10TΩ</b> (10,000GΩ)	<b>10TΩ</b> (10,000GΩ)	<b>25TΩ</b> (25,000GΩ)	<b>29TΩ</b> (29,000GΩ)		MEGΩ - Max
Step Voltage Test		-	-	-	-	-	•	•	•		Step Voltage Test
Ramp Voltage Test		-	-	-	-	-	-	•	•		Ramp Voltage Test
Timer (range)		• (1-59min)	• (1-59min)	• PI (30s-59m)	• (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		<6mAdc	<6mAdc	<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
Remote Probe		• (optional)	• (optional)	-	-	-	-	-	-		Remote Probe
Memory		-	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
Function	Model	1050	1060	6505	5050	5060	5070	6550	6555	Model	Function