Model 6505







► SPECIFICATIONS

MODEL		6505
INSULATION	I TESTS	
Test Voltage/Range 500V 1000V 2500V 5000V		30kΩ to 2000GΩ (2TΩ) 100kΩ to 4000GΩ (4TΩ) 100kΩ to 10,000GΩ (10TΩ) 300kΩ to 10,000GΩ (10TΩ)
User Programmable Test		40 to 1000V: 10V increments 1000 to 5100V: 100V increments
Short Circuit Current		<1.6 mA ± 5 %
Accuracy	10k Ω to 40G Ω 40G Ω to 10T Ω	$\pm 5\%$ of Reading \pm 3cts $\pm 15\%$ of Reading \pm 10cts
DAR (1 min/30 sec)		0.02 to 50.00
PI (10 min/1 min & user programmable)		0.02 to 50.00
Capacitance Measurement		0.005 to 49.99µF; Max resolution 1nF
Leakage Current Measurement		0.00nA to 3mA; Max resolution 1pA
Programmable Run Time R(t)		1 to 60 minutes
Discharge After Test		Yes, automatic
Discharge Voltage Display		Yes
Voltage Test/Safety Check		2500Vac/4000Vbc (16 to 420Hz); 1V Resolution
Voltage Warning Indicator		Yes >25V
Test Inhibition*		Yes >25V
Guard Terminal		Yes
ELECTRICAL	L	
Power Source		One 9.6V NiMH battery pack (included); Line power: 85 to 256Vac (50/60Hz)



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*Inhibit voltage is selectable at 3, 10 or 20% of test voltage



Extra large classic tool bag, three color-coded leads, one blue jumper lead for use with guard terminal,

► PRODUCT INCLUDES

three alligator clips (600V CAT IV), US 115V power cord, rechargeable battery pack and user manual.

CATALOG NO.	DESCRIPTION		
2130.18	Megohmmeter Model 6505 (Digital, with Analog Bargraph, Backlight, 500V, 1000V, 2500V, 5000V, Auto DAR/PI)		
Accessories (Optional)			
2119.76	Lead – Set of 3, Color-coded 10ft 5kV Safety w/3 Color-coded Alligator Clips (1000V CAT IV) [15A] for use with Megohmmeter Models 5050/5060/5070/6505		
2119.77	Lead – Replacement, Set of 3, Color-coded 6ft 5kV safety for Megohmmeter Model 6505		
2119.85	Lead – Set of 3, Color-coded 10ft 5kV Safety with Integral Hippo Clips, and jumper lead for use with Megohmmeter Model 6505 (replacement for 5050/5060/5070)		
2119.86	Lead – Set of 3, Color-coded 25ft 5kV Safety with Integral Hippo Clips for use with Megohmmeter Models 5050/5060/5070/6505 [Jumper lead not included]		
2119.87	Lead – Set of 3, Color-coded 45ft 5kV Safety with Integral Hippo Clips for use with Megohmmeter Models 5050/5060/5070/6505 [Jumper lead not included]		



▶ FEATURES

 True Megohmmeter® Simple operation

2500V and 5000V

(40 to 5100V)

PI values

run time

PI ratio times

discharge voltage

to $10T\Omega$ ($10,000G\Omega$)

Test voltage selections of 500V, 1000V,

Adjustable and programmable test voltage

Insulation measurements from 30kΩ

Automatic calculation of DAR and

 Direct measurement and display of capacitance and leakage current · Display resistance, test voltage and

Programmable test run times and

· Automatic discharge and display of

voltage and measurements shown

· Large backlight LCD dual-display with time,

Rugged, dual wall, weatherproof field case

Designed and built to IEC safety standards

Automatic test inhibition (if live sample >25V)

EN 61010-1, 1000V CAT III