

Model 6505

Contributes to the safety of electrical installations and equipment



► FEATURES

- True Megohmmeter®
- Simple operation
- Test voltage selections of 500V, 1000V, 2500V and 5000V
- Insulation measurements from 30kΩ to 10TΩ (10,000GΩ)
- Adjustable and programmable test voltage (40 to 5100V)
- Automatic calculation of DAR and PI values
- Direct measurement and display of capacitance and leakage current
- Display resistance, test voltage and run time
- Programmable test run times and PI ratio times
- Automatic test inhibition (if live sample >25V)
- Automatic discharge and display of discharge voltage
- Large backlight LCD dual-display with time, voltage and measurements shown
- Rugged, dual wall, weatherproof field case
- Designed and built to IEC safety standards
- EN 61010-1, 1000V CAT III

► SPECIFICATIONS

MODEL	6505	
INSULATION 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	<1.6mA ± 5%	
Accuracy	10kΩ to 40GΩ 40GΩ to 10TΩ	±5% of Reading ± 3cts ±15% of Reading ± 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/4000VDC (16 to 420Hz); 1V Resolution	
Voltage Warning Indicator	Yes >25V	
Test Inhibition*	Yes >25V	
Guard Terminal	Yes	
ELECTRICAL		
Power Source	One 9.6V NiMH battery pack (included); Line power: 85 to 256VAC (50/60Hz)	

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



► PRODUCT INCLUDES

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

