

MEGOHMMETERS

5000V Digital/Analog

Model 6505

Contributes to the safety of electrical installations and equipment

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.



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

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]