

Model 6505

Contributes to the safety of electrical installations and equipment

► SPECIFICATIONS

MODEL	6505
INSULATION TESTS	
Test Voltage/Range	
500V	30k Ω to 2000G Ω (2T Ω)
1000V	100k Ω to 4000G Ω (4T Ω)
2500V	100k Ω to 10,000G Ω (10T Ω)
5000V	300k Ω to 10,000G Ω (10T Ω)
User Programmable Test	40 to 1000V: 10V increments 1000 to 5100V: 100V increments
Short Circuit Current	<1.6mA \pm 5%
Accuracy	10k Ω to 40G Ω \pm 5% of Reading \pm 3cts 40G Ω to 10T Ω \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 49.99 μ F; 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 30k Ω to 10T Ω (10,000G Ω)
- 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]