

# MEGOHMMETERS

## 5000V DIGITAL/ANALOG

### MODEL 6505

*Contributes to the safety of electrical installations and equipment*

### SPECIFICATIONS

MODEL	6505	
<b>INSULATION TESTS</b>		
Test Voltage/Range	500V 1000V 2500V 5000V	10kΩ to 2000GΩ (2TΩ) 10kΩ to 4000GΩ (4TΩ) 10kΩ to 10,000GΩ (10TΩ) 10kΩ 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 399.9GΩ 400GΩ 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	0.001 to 49.99μF; Max resolution 1nF	
Leakage Current Measurement	0.00nA to 3mA; Max resolution 1pA	
Programmable PI Ratio Times	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	>40% of test voltage	
Guard Terminal	Yes	
<b>ELECTRICAL</b>		
Power Source	One 9.6V NiMH battery pack (included); Line power: 85 to 256VAC (50/60Hz)	
<b>SAFETY</b>		
Safety Rating	EN 61010-1, 1000V CAT III	

Consult factory for NIST Calibration prices

### ACCESSORIES/REPLACEMENTS

**CATALOG #2151.30** Lead – Set of (3) color-coded 10 ft 5kV safety w/(3) color-coded alligator clips (1000V CAT IV, 15A) for use with models 5050, 5060, 5070 & 6505

**CATALOG #2151.31** Lead – Replacement 1 ft (5kV) Blue Jumper Lead for Megohmmeter models 5050, 5060, 5070 & 6505

**CATALOG #2151.32** Lead – Set of (3) Color-coded 25 ft 5kV safety with integral hippo clips for use with models 5050, 5060, 5070 & 6505 (blue jumper lead not included)

**CATALOG #2151.33** Lead – Set of (3) color-coded 45 ft 5kV safety with integral hippo clips for use with models 5050, 5060, 5070 & 6505 (blue jumper lead not included)



### FEATURES

- True Megohmmeter®
- Simple operation
- Test voltage selections of 500V, 1000V, 2500V and 5000V
- Insulation measurements from 10kΩ to 10,000GΩ (10TΩ)
- 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 PI ratio times
- Automatic test inhibition (if live sample >40% of test voltage)
- Automatic discharge and display of discharge voltage
- Large backlight LCD dual-display with time, voltage and measurements shown
- Rugged, dual wall, water-resistant field case
- Designed and built to IEC safety standards

### PRODUCT INCLUDES

Extra large classic tool bag, (3) 10 ft color-coded (red/black/blue) leads {5000V}, (3) color-coded (red/black/blue) alligator clips {1000V CAT IV} [15A], (1) blue jumper lead for use with guard terminal, US 115V power cord, 9.6V NiMH rechargeable battery pack (installed) and user manual.



CATALOG NO.	DESCRIPTION
2130.18	Megohmmeter Model 6505 (Digital, with Analog Bargraph, Backlight, 500V, 1000V, 2500V, 5000V, Auto DAR/PI)

