

5000V Megohmmeter Model 6505



Features

- True Megohmmeter®
- Simple operation
- Test voltage combination 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 >25)
- Automatic discharge and display of discharge voltage
- Large dual-display with time, voltage and measurements shown
- Rugged, dual wall, weatherproof field case
- Designed and built to IEC safety standards



Includes Megohmmeter, field kits, small classic tool bag, three color-coded leads, three alligator clips, 0.35m guarded jumper cable, batteries and user manual.

SPECIFICATIONS

MODEL	6505
INSULATION TESTS	
Test Voltage/Range	
500V	30kΩ to 2000GΩ (2TΩ)
1000V	100kΩ to 4000GΩ (4TΩ)
2500V	100kΩ to 10,000GΩ (10TΩ)
5000V	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	±5% of Reading ± 3cts
40GΩ to 10TΩ	±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	0 to 1000VAc/dc (16 to 420Hz); 1V Resolution
Voltage Warning Indicator	Yes >25V
Test Inhibition*	Yes >25V
Guard Terminal	Yes – adjustable from 25 to 1000V depending on test voltage range in use
ELECTRICAL	
Power Source	Eight NiMH rechargeable batteries (included); Line power: 85 to 256VAc (50/60Hz)

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

CATALOG NO.	DESCRIPTION
2130.18	Megohmmeter Model 6505 (Digital, with Analog Bargraph, Backlight, 500V, 1000V, 2500V, 5000V, Auto DAR/PI)
Accessories (Optional)	
2119.76	Leads 5kV rated- Set of 3 color-coded 10 ft 5kV safety leads (red, blue, black) and set of 3 alligator clips
2119.85	Leads 5kV rated, set of three, 10 ft color-coded with color-coded clips; one red, one blue and one black with integral 5kV hippo clips (rated 5000V)
2119.86	Leads 5kV rated, set of three, 25 ft color-coded with color-coded clips; one red, one blue and one black with integral 5kV hippo clips (rated 5000V)
2119.87	Leads 5kV rated, set of three, 45 ft color-coded with color-coded clips; one red, one blue and one black with integral 5kV hippo clips (rated 5000V)