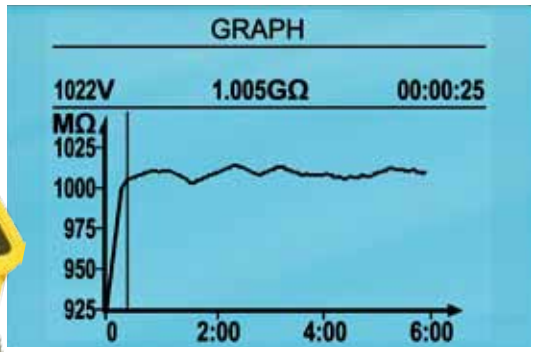
Model 5070

Offers real-time graphic plot of measurements and digital presentation of test results



Insulation resistance measurement graphically displayed at the completion of the test at the push of a button.

▶FEATURES

- True Megohmmeter®
- Test voltage selections of 500V, 1000V, 2500V and 5000V
- Insulation measurements from 30kΩ to 10,000GΩ (10TΩ)
- Selectable and programmable test voltage (40 to 5100V)
- Automatic calculation of DAR, PI and DD ratios
- Direct measurement and display of Capacitance and Leakage Current
- Display resistance, test voltage and run time
- Programmable test run times and PI ratio times
- Smooth and Alarm functions
- Automatic test inhibition (if live sample >25V)
- Automatic discharge and display of discharge voltage
- Graphic and digital display of test voltage, resistance and more
- Bright blue electroluminescent backlight
- Programmable temperature compensation
- Programmable test voltage lock-out
- Programmable alarm setting
- Auto power-down when not in use
- AC or DC powered with rechargeable NiMH battery pack - run while charging
- Rugged, weatherproof field case
- Designed and built to IEC safety standards
- Includes DataView® software for data storage, real-time display, analysis and report generation (Models 5060 & 5070)
- EN 61010-1, 1000V CAT III

▶SPECIFICATIONS

MODEL		5070
INSULATION TESTS		
Test Voltage	500V 1000V 2500V 5000V	30kΩ to 2000GΩ (2TΩ) 100kΩ to 4000GΩ (4TΩ) 100kΩ to 10,000GΩ (10TΩ) 300kΩ to 10,000GΩ (10TΩ)
User Selectable Test Voltage		Programmable: 40 to 1000V: 10V increments; 1000 to 5100V: 100V increments
Automatic Step Voltage		Programmable step voltage and duration up to five steps. Three profiles can be stored.
Accuracy	1kΩ to 40GΩ 40GΩ to 10TΩ	±5% of Reading ± 3cts ±15% of Reading ± 10cts
Voltage Test/Safety Check		0 to 1000VAC/DC
Voltage Warning Indicator		Yes >25V
Test Inhibition*		Yes — adjustable from 25 to 1000V depending on test voltage range in use
Smooth Function (user selectable)		Digital filtering stabilizes display readings
COMMUNICATION		
Storage of Readings over Time R(t)		128kB memory
Report Print Out Direct to Printer		Preset format
Storage of Test Results		Stores over 1500 test results
Communication Port		RS-232
PC Software/ Report Generation		DataView® (included)
ELECTRICAL		
Power Source		One 9.6V NiMH battery pack (included) Line power: 85 to 256V (50/60Hz)

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

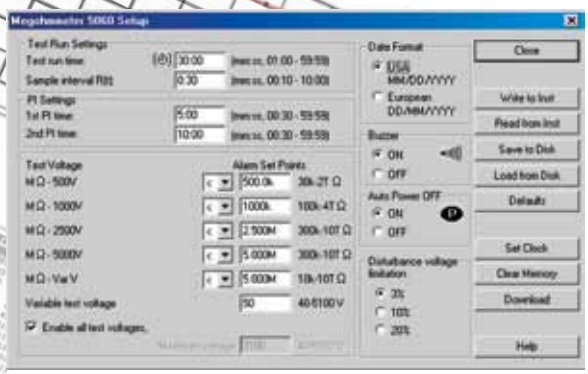
CATALOG NO.	DESCRIPTION
2130.30	Megohmmeter Model 5070 (Graphical, Analog Bargraph, Backlight, Alarm, Timer, 500V, 1000V, 2500V, 5000V, Ramp, Auto DAR/PI/DD, RS-232 w/DataView® software)
Accessories (See page 14 for optional accessories)	
2119.45	Cable, PC RS-232, DB9 F/F 6 ft Null Modem Cable (for use with Models 1060, 5060 & 5070)
2119.46	Cable, PC RS-232, DB9 F/F 6 ft (for serial printer)

DataView®

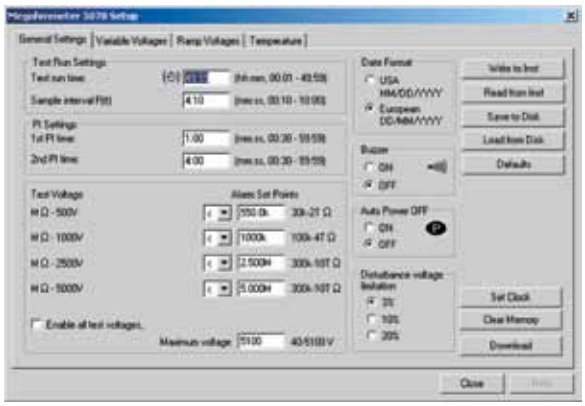
Data Analysis and Reporting Software for Megohmmeters

Configure all functions of the Megohmmeter Models 1060, 5060, 5070, 6550 & 6555

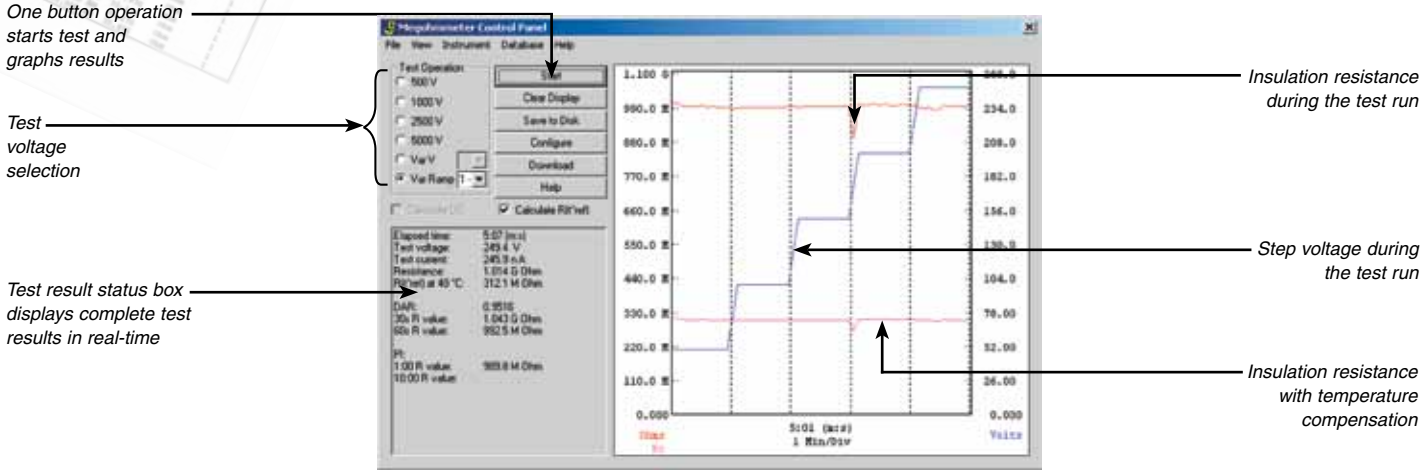
- Print reports of all test results
- Select test voltage and run tests from your computer with a simple click and execute process
- Capture and display data in real-time
- Retrieve data from the instrument's memory:
  - Over 1500 insulation resistance measurements
  - Over 4000 resistance measurements
- Display DAR and PI ratios
- Plot graphs of manual and timed tests
- Include your analysis comments section with the report
- Store a library of setups for different applications
- Certification of results through report generation



Clear and easy setup from one dialog box for Model 5060.



Four tabbed dialog boxes allow for clear and easy setup of all functions of the Model 5070, including setup for variable voltage and alarm set points, as well as step voltage tests and temperature compensation.



Run test and display text and graphical results from one dialog box.