

MEGOHMMETERS

10,000 V/15,000 V DIGITAL



1000 V
CAT IV



MODELS 6550 & 6555

Ideal for use on rotating machinery, transformers and cables operating at higher voltages



SCAN TO
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MORE

FEATURES

- True Megohmmeter®
- Fixed or programmable test voltage from 40 V to (10/15) kV
- Wide measurement range from 10 kΩ to (25/30) TΩ
- 5 mA short circuit current
- Step and Ramp voltage testing
- Automatic calculation of DAR/PI/DD/ΔR (ppm/V) ratios
- Large, backlit graphical LCD screen with digital display, bargraph and R(t)+V(t), I(t) and I(V) graphs
- Multiple test modes: voltage Ramp and Step with Burn-In, Early-Break and I-Limit modes
- Three filter settings to optimize measurement stability
- Calculation of R at a reference temperature
- Storage of 80,000 measurements
- Includes DataView® software for data retrieval, real-time display, analysis and report generation
- Optically-isolated USB communication for transfer onto PC and report generation with DataView® software

ACCESSORIES/REPLACEMENTS

CAT. #2133.72 Small classic tool bag

CAT. #2135.41 Optical USB cable

CAT. #2140.19 (1) 9.6 V NiMH battery (*two required*)

CAT. #2151.36 Lead – Replacement Set of 3, 10 ft (15 kV) with integral clips

CAT. #2151.37 Lead – Replacement 1.5 ft (15 kV) blue jumper lead

CAT. #2151.38 Lead – Set of (3), 25 ft, 15 kV w/ integral clips

CAT. #2151.39 Lead – One 45 ft, (15 kV), blue with integral clip

CAT. #2151.40 Lead – One 45 ft, (15 kV), red with integral clip

CAT. #2151.41 Lead – One 45 ft, (15 kV), black with integral clip

CAT. #5000.32 Power cord – 240 V EU

PRODUCT INCLUDES

Small classic tool bag, set of (3) 10 ft color-coded (*red/blue/black*) safety leads with clips (3000 V CAT III), (1) 15 kV jumper lead (*blue*), optical USB cable, 115 V US power cord, 9.6 V rechargeable NiMH batteries, and a USB drive with DataView® software and user manual.

MODELS		6550	6555
INSULATION TESTS			
Test Voltage	500 V	10 kΩ to 2000 GΩ (2 TΩ)	
	1000 V	10 kΩ to 4000 GΩ (4 TΩ)	
	2500 V	10 kΩ to 10,000 GΩ (10 TΩ)	
	5000 V	10 kΩ to 15,000 GΩ (15 TΩ)	
	10,000 V	10 kΩ to 25,000 GΩ (25 TΩ)	
	15,000 V	—	10 kΩ to 30,000 GΩ (30 TΩ)
Fixed Test Voltages		(500, 1000, 2500, 5000, and 10,000) V	(500, 1000, 2500, 5000, 10,000, and 15,000) V
Variable Voltages		Variable: 40 V to 10 kV with three user programmable voltage schemes	Variable: 40 V to 15 kV with three user programmable voltage schemes
Ramp Mode		Programmable ramps: start voltage / end voltage / duration	
Ramp Configuration Range		(40 to 1100) V / (500 to 10,000) V	(40 to 1100) V / (500 to 15,000) V
Step Mode		Up to 10 steps (<i>voltage and duration configurable for each step</i>)	
Voltage Test		2500 V _{AC} to 4000 V _{DC}	
Capacitance Measurement		(0.005 to 19.99) μF	
Leakage Current Measurement		(0 to 10) mA	
Discharge After Test		Yes (<i>Automatic</i>)	
Additional Test Stop Modes			
I-Limit		Programmable: (0.2 to 5) mA	
Early-Break		di / dt	
Timer		Up to 99 m 59 s	
Burn Mode		Constant testing	
Ratio Calculation		PI, DAR, DD	
Calculation of R at ref. T°		Yes	
Measurement Display Filter		3 filters with 3 possible time-constants	
Graphs on Display		R(t)+V(t); I(t); I(V)	
Storage		256 registers, stores 80,000 points: R, V, I and date	
Communication		USB optically-isolated port	
Power Supply		NiMH rechargeable batteries, (2) 9.6 V 4 A-h battery packs charging by external voltage: (90 to 260) V; (50 / 60) Hz	
Battery Charging		Battery charging allowed while performing insulation measurements	
Dimensions / Weight		(13.39 x 11.81 x 7.87) in (340 x 300 x 200) mm /approx. 13.7 lb (6.2 kg)	
SAFETY			
Safety Compliance		IEC / EN 61010-2-034 or BS EN 61010-2-034, IEC-61557 parts 1 and 2 (up to 10 kV), 1000 V CAT IV, Pollution Degree 2	
Mechanical Protection / Altitude		IP54 / 2000 m	

Consult factory for NIST Calibration prices.

CAT. # DESCRIPTION

2130.31	Megohmmeter Model 6550 (Graphical, Analog Bargraph, Backlight, Alarm, Timer, (500, 1000, 2500, 5000) V, 10 kV, Ramp, Step V, Variable, Auto DAR/PI/DD, USB, w/DataView® Software)
2130.32	Megohmmeter Model 6555 (Graphical, Analog Bargraph, Backlight, Alarm, Timer, (500, 1000, 2500, 5000) V, (10, 15) kV, Ramp, Step V, Variable, Auto DAR/PI/DD, DataView® software)