

Special product features

MEGOHMMETERS

Digital/Analog & Multi-Function Voice, Data, Video Cable Testing



Models 1030, 1040 & 1045

For motors, cables, switchgear and general applications



Learn how to measure insulation on telephone cables



SPECIFICATIONS



MODELS	1030	1040	1045
INSULATION TESTS			
Test Voltage	250V	50kΩ to 2000MΩ (2GΩ)	–
	500V	100kΩ to 2000MΩ (2GΩ)	100kΩ to 2000MΩ (2GΩ)
	1000V	–	200kΩ to 2000MΩ (2GΩ)
Short Circuit Current	≤3mA		
Accuracy	<40MΩ	3% of Reading ± 5cts	
	≥40MΩ	3% of Reading ± 2cts	
Voltage Test/Safety Check	0 to 600VAC/dc		
Voltage Warning Indicator	>25V		
Test Inhibition	Yes >25V		
RESISTANCE TESTS (MODELS 1040 AND 1045)			
Measurement Range	–	0.0 to 400kΩ	
Test Voltage	–	7 to 9V	
Test Current	–	600μA	
Accuracy	>4kΩ	–	3% of Reading ± 1ct
CONTINUITY TESTS			
Measurement Range	0.00 to 19.99Ω		
Test Current	≥200mA		
Accuracy	3% of Reading ± 1ct		
ELECTRICAL			
Power Source	Six 1.5V AA Alkaline batteries (included)		

PRODUCT INCLUDES

1040 & 1045 Field Kit

Field kit includes megohmmeter, field case, two color-coded leads, black test probe, two alligator clips, remote test probe, batteries, soft carrying case and user manual.



1035 Field Kit

Field kit includes megohmmeter, field case, color-coded leads, black test probe, alligator clips, two grip probes, remote test probe, batteries, soft carrying case and user manual.



► **Soft carrying case**
Included with all Models



► **Hands-free carrying case**
Catalog #2118.99 (optional)



See P. 15 & 16 for New 10 & 15kV Megohmmeters!

Models 1035 & 1039

For voice, data and video cable applications

► FEATURES

- True Megohmmeter®
- Test voltage combinations of 250V, 500V and 1000V
- Insulation measurements to 2000MΩ (2GΩ)
- Automatic test inhibition (if live sample >25V)
- Automatic discharge for operator safety
- Multi-line, 4000-count, backlit, digital display with analog bargraph
- Resistance measurements to 400kΩ
- Continuity with 200mA test current
- Timer function for easy DAR and PI (Model 1045)
- Slip-proof, over-molded, protective rubber housing for rugged field use
- Includes test leads and soft carrying case
- Test voltage combinations of 50V, 100V, 250V and 500V (Model 1035)
- Insulation measurement to 20,000MΩ (20GΩ) (Model 1035)
- Insulation measurement to 400MΩ (Model 1039)
- Capacitance measurement to 4000nF (Model 1039)
- Cable length measurement to 80.0km (>264,000 ft) (Model 1039)
- Ideal for telecom testing and high sensitivity measurements



► SPECIFICATIONS

MODELS	1035	1039	
INSULATION TESTS			
Test Voltage	50V 100V 250V 500V	10kΩ to 2000MΩ (2GΩ) 20kΩ to 2000MΩ (2GΩ) 50kΩ to 20,000MΩ (20GΩ) 100kΩ to 20,000MΩ (20GΩ)	10kΩ to 400MΩ 20kΩ to 400MΩ - -
Open Circuit Voltage	<75V @ 50V, <150V @ 100V, <375V @ 250V, <750V @ 500V		
Short Circuit Current	≤3mA		
Accuracy	±3% of Reading ± 5cts		
Voltage Test/Safety Check	0 to 600VAC/DC		
Voltage Warning Indicator	>25V		
Test Inhibition	Yes >25V		
RESISTANCE TESTS			
Measurement Range	0.0 to 400kΩ	0.0 to 40.0kΩ	
Test Voltage	7 to 9V	7 to 9V	
Test Current	600μA < 400Ω; 6μA > 40Ω	600μA < 400Ω	
Accuracy	>400kΩ	±3% of Reading ± 1ct	
CURRENT TESTS			
AC/DC Current Range	-	0.00 to 400mA (240A) (with probe option)	
CAPACITANCE/CABLE LENGTH			
Capacitance Range	-	0.00 to 4000nF	
Cable Length Range	-	0.000 to 80.0km	
VOLTAGE TESTS			
Measurement Range	-	0 to 400VAC	
Accuracy	-	±3% of Reading ± 1ct	
ELECTRICAL			
Power Source	Six 1.5V AA Alkaline batteries (included)		

CATALOG NO.	DESCRIPTION
2116.89	Megohmmeter Model 1030 (Digital w/Analog Bargraph, 250V, 500V)
2116.92	Megohmmeter Model 1040 (Digital w/Analog Bargraph, Alarm, Backlight, 500V, 1000V, 400kΩ, Continuity)
2116.93	Megohmmeter Model 1045 (Digital w/Analog Bargraph, Alarm, Timer, Backlight, 250V, 500V, 1000V, 400kΩ, Continuity)
2117.30	Megohmmeter Model 1040 Field Kit (Model 1040, Remote Test Probe & Field Case)
2117.31	Megohmmeter Model 1045 Field Kit (Model 1045, Remote Test Probe & Field Case)
2116.90	Megohmmeter Model 1035 (Digital w/Analog Bargraph, Alarm, Backlight, 50V, 100V, 250V, 500V, 400kΩ)
2116.91	Megohmmeter Model 1039 (Digital w/Analog Bargraph, Alarm, ΔRel, Backlight, 50V, 100V, mA, nF, km)
2115.42	Megohmmeter Model 1035 Field Kit (Model 1035, Remote Test Probe & Field Case)
Accessories (Optional)	
2118.97	Remote Test Probe
2118.98	Field Case (Waterproof)
2118.99	Hands-Free Carrying Case