

MEGOHMMETERS

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

Models 1030, 1040 & 1045

For motors, cables, switchgear and general applications



► SPECIFICATIONS

MODELS	1030	1040	1045	
INSULATION TESTS				
Test Voltage	250V	50kΩ to 2000MΩ (2GΩ)	–	50kΩ to 2000MΩ (2GΩ)
	500V	100kΩ to 2000MΩ (2GΩ)	100kΩ to 2000MΩ (2GΩ)	100kΩ to 2000MΩ (2GΩ)
	1000V	–	200kΩ to 2000MΩ (2GΩ)	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 600V _{ac/bc}			
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)			

Learn how to measure insulation on telephone cables



► PRODUCT INCLUDES

1040 & 1045 Field Kit

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



1035 Field Kit

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



► Soft carrying case

Included with all Models



► Hands-free carrying case

Catalog #2118.99 (optional)



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Technical Assistance (800) 343-1391



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
- Backlit display (Models 1035, 1039, 1040 & 1045)



► SPECIFICATIONS

MODELS	1035	1039
INSULATION TESTS		
Test Voltage	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	
Test Current	600μA < 400Ω; 6μA > 40Ω	
Accuracy	>400kΩ ±3% of Reading ± 1ct	±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, Timer, 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



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