

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)	—	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 ≥40MΩ	3% of Reading ± 5cts 3% of Reading ± 2cts		
Voltage Test/Safety Check		0 to 600V _{ac} /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

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)



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	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	±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

