

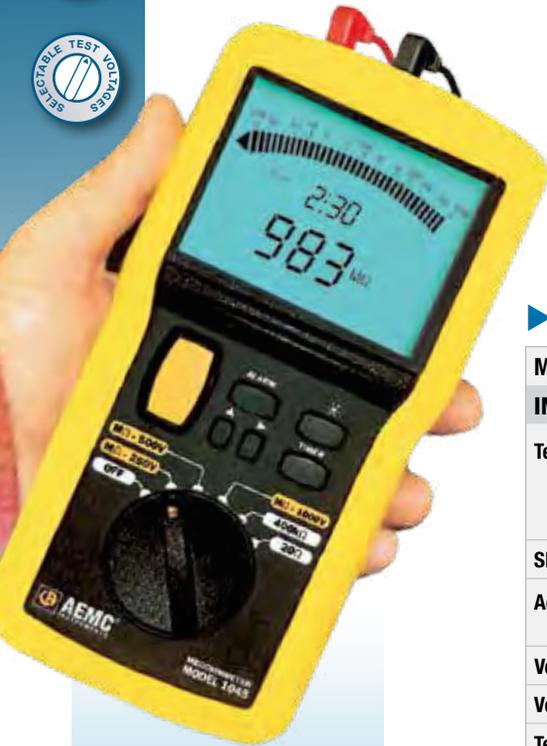
Special product features

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



1.800.561.8187

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

