

## **MEGOHMMETERS**

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



# Models 1030, 1040 & 1045

For motors, cables, switchgear and general applications









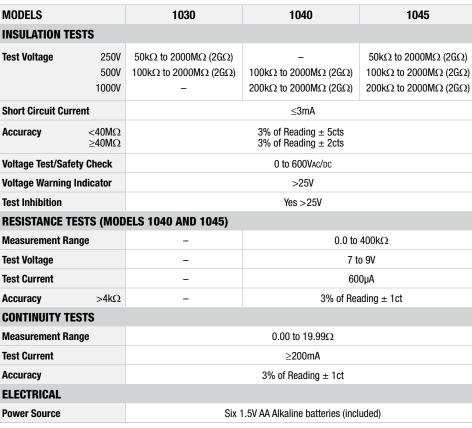
















## ► PRODUCT INCLUDES

### 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  $400M\Omega$ (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 TO</b>	ESTS		
Test Voltage	50V 100V 250V 500V	10k $\Omega$ to 2000M $\Omega$ (2G $\Omega$ ) 20k $\Omega$ to 2000M $\Omega$ (2G $\Omega$ ) 50k $\Omega$ to 20,000M $\Omega$ (20G $\Omega$ ) 100k $\Omega$ to 20,000M $\Omega$ (20G $\Omega$ )	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	
<b>Voltage Warning Indicator</b>		>25V	
Test Inhibition		Yes >25V	
RESISTANCE T	ESTS		
Measurement Range		$0.0$ to $400$ k $\Omega$	0.0 to 40.0kΩ
Test Voltage		7 to 9V	7 to 9V
Test Current		600μA $< 400Ω$ ; $6$ μA $> 40Ω$	600μA $< 400$ Ω
Accuracy	$>$ 400k $\Omega$	$\pm 3\%$ of Reading $\pm 1ct$	±3% of Reading ± 1ct
<b>CURRENT TEST</b>	rs		
AC/DC Current Range		_	0.00 to 400mA (240A) (with probe option)
CAPACITANCE/	CABLE LE	NGTH	
Capacitance Range		_	0.00 to 4000nF
Cable Length Range		_	0.000 to 80.0km
<b>VOLTAGE TEST</b>	S		
Measurement Range		_	0 to 400Vac
Accuracy		_	$\pm 3\%$ of Reading $\pm 1ct$
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 (Op	tional)
2118.97	Remote Test Probe
2118.98	Field Case (Waterproof)
2118.99	Hands-Free Carrying Case