





## **CLM100**

## **Cable Length Meter**

The CLM100 benefits both contractors and distributors by measuring cable length on the spool or installed cable length. The meter's value-conscious design makes it very affordable. A built-in temperature compensation circuit automatically takes into account the temperature of the wire for an accurate reading. Special Kelvin Clips enhance useablitlity further by simplifying lead to cable connections

#### Measures

- Copper and aluminum cable
- 15 ~ 30,000 ft.
- Wire Size: 26ga ~ 4/0ga
- 250 MCM ~ 500 MCM
- Resistance 65Ω

#### Features

- Automatic temperature compensation
- Measures in feet and meters
- Milliohm measurement capability
- Easy-to-attach kelvin clips
- 5 Year limited warranty

Included in this Data Sheet CLM100, DCM3, DMEG3, IRT3, IRT20, PSMR1, & Electrical Testers





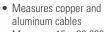




## **CLM100**

## **Cable Length** Meter

# **Functions**



- Measures 15 ~ 30,000'
- Wire size: 26 ga ~ 4/0 ga
- 250 MCM ~ 500 MCM
- Resistance 65Ω
- Read in feet or meters



## DCM3

# **Digital Capacitance**

- 9 ranges
- 200pF ~ 20mF (20,000uF)
- Zero adjustment
- Over range indicator
- Polarity indicator

1999/count

• 1 Year limited warranty

## Features



- Automatic temperature compensation
- Milliohm measurement capability
- Auto off
- Two easy-to-attach Kelvin Clip leads connect to cable
- 5 Year limited warranty

# • Quick display refresh rate • Fuse protected input Low battery indication • 3.5 digit LCD display

## Includes

• Test leads .....(ATL190) Calibration bar .....(15154) Hard carrying case......(AC504) Battery 9V Manual

• Test leads Battery 9V Manual

## Specifications

## **CLM100**

Resistance Range	0 to $65\Omega$ with 1 mΩ resolution
Temperature Compensation	Automatic
Length Accuracy	± (2% reading + 3 digits) 65° ~ 75°F ± (3% reading + 3 digits) below 65°/above 75°F
Wire Size	26 ga ~ 4/0 ga 250 MCM ~ 500 MCM
Length	15 ~ 30,000 feet

## DCM3

Range	Resolution	Accuracy	Test Frequency
200 pF	0.1 pF		
2000 pF	1 pF	±1% reading	820 Hz
20 nF	10 pF	+ 3 dgt	
200 nF	100 pF		82 Hz
2 μF	1 nF		
20 μF	10 nF		
200 μF	100 nF		
2000 μF	1 μF	+2% reading + 3 dgt	8.2 Hz
20 mF	10 μF	+4% reading +9 dgt	0.2 112

## Accessories

Test Leads ATL55 (IRT3, DMEG3) **Test Leads** ATL190 (CLM100) Hard Carrying Case AC504 (CLM100)







AC504



## IRT3

## **Analog Insulation** Resistance Tester

- AC Voltage measurement to 600 Volts
- Insulation resistance readings from 0 ~ 400  $M\Omega$
- Three test-voltage ranges (250, 500, 1000 V DC)
- Maintains rated voltage on cables at up to 1 mA leak-rate
- Precision, low resistance test leads (1000 Volt CAT III rated)
- Fuse protected against accidental misuse
- Low battery indicationAutomatic, post-test cable dischatrge
- Rugged, compact case with latching cover
- Large high-contrast analog display
- 3 Year limited warranty
- Test leads.....(ATL55) Fuse .....(AF21) Alligator clips Hard carrying case Batteries (8) AA Manual



## **DMEG3**

## **Digital Insulation** Resistance Tester

- 600V AC measurement capability
- Auto-ranging insulation resistance ranges  $0 \sim 2000\Omega$
- Three test-voltage ranges (250, 500, 1000V DC)
- 200 mA short-circuit continuity test current for high accuracy
- Precision resistance 0.01
- Precision, low resistance test leads (1000 Volt CAT III rated)
- Automatic post-test cable discharge
- Large digital display that shows the test function and measured value
- Live circuit warning light
- Fuse protected
- Audible continuity
- Green LED power-on indicator
- Low battery indication/detectionMaintains rated voltage on cables
- with up to 1 mA leak-rate
- Rugged compact case with protective cover
- 3 Year limited warranty
- Test leads .....(ATL55) Fuse .....(AF21) Battery (8) AA Manual

## IRT3

Function	Range	Accuracy
Insulation Resistance	0 ~ 50MΩ (250 DC V ±10%) 0 ~ 100MΩ (500 DC V ±10%) 0 ~ 400MΩ (1000 DC V ±10%)	±5% rdg (approximately)
Short Circuit Current	0 ~ 50MΩ: 2 DCmA, 0 - 100MΩ: 2 DCmA, 0 ~ 400MΩ: 2 DCmA	
AC Voltage	0 ~ 600V Frequency 40-1kHz	±2.5% ±3 dgt
Continuity	0 ~ 50Ω	±2.5% Full Scale
Open Circuit Terminal Voltage	4V DC min.	
Short Circuit Terminal Current	240mA DC min.	
Safety Requirements	IEC-1010 safety requirements category III	
Power Consumption	Max current approximately 190mA @ 12V DC	
Dimensions	6.7 x 6.5 x 3.6 inches (170 x 165 x 92 mm)	
Weight	2.1 lb. (batteries included)	

## **DMEG3**

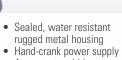
Range	Resolution	Accura	acy
0 ~ 200 MΩ (250V, 500V DC ±10%) 0-2000 MΩ (1000V DC ±10%)	1 count = $100k\Omega$ 1 count = $1M\Omega$	±1.5% ±5 dgt ±3% ±3 dgt (0 ~ 1000MΩ) ±5% ±5 dgt (0 ~ 2000 MΩ)	
Sustained Current	1mA DC min @ 0.25MΩ for 250V range 1mA DC min @ 0.5MΩ for 500V range 1mA DC min @ 1MΩ for 1000mA		
AC Voltage	0 ~ 600V Frequency 40 ~120Hz	1V	±1.5% ±3 dgt
Continuity	0 ~ 20Ω 0 ~ 2000Ω	0.01Ω 1Ω	±1.5% ±5 dgt ±1.5% ±3 dgt
Open Circuit Terminal Voltage	Continuity 4V DC min.		
Short Circuit Terminal Current	Continuity 210mA DC r	min.	
Power Consumption	Max current approximately 160mA		
Audible Alarm	Sounds @ $< 10\Omega$ in $20\Omega$ range		
Safety Requirements	EC-1010 safety requirements category III		
Dimensions	6.7 x 6.5 x 3.6 inches (170 x 165 x 92 mm)		
Weight	2.1 lb (batteries included)		

## IRT20

## Hand-Cranked Insulation Resistance Tester



- 1000, 500 and 250 Volt output ranges
- Damping time exceeds 4 seconds



- Accurate to within one division
- 1 Year limited warranty



## PSMR1

## Phase Sequence Motor Rotation Tester

- Three functions in one unit
- Open phase indication
- Phase rotation sequence
- Motor rotation indication (fused)
- Input voltage: 100V ~ 600V AC
- Frequency range: 45 ~ 70Hz
- Identifies 3-phase sequence
- Checks for open phase
- Battery operated (9V)
- 3 Year limited warranty

Test leads .....(ATL91)
 Manual

 Test leads .....(ATL190) Soft carrying case ....(AC319) Manual

## IRT20

Voltage	Range	Scale Drive
250V	.01 ~ 250 MΩ	.05 M
500 V	.01 ~ 500 MΩ	.1 M
1000 V	.01 ~ 1000 MΩ	.2 M
Accuracy at 77°F (20°C)	±1% of full scale	
Insulation Resistance AT 77°F (20°C)	Not less than 20 M	
Damping Time	Better than 4 seconds	
Dimensions	215 mm x 120 mm x 150 mm	

## PSMR1

Input Voltage	100 VAC ~ 600 VAC max
Frequency Range	45 ~ 70 Hz
Battery	9V alkaline battery
Installation	IEC-1010, 600V, CAT III
Category Dimensions:	6.02" (L) X 2.83" (W) X 1.37" (D) (135mm X 72mm X 35mm)
Weight	Approx. 6.37 oz (182g) including battery
Environmental Conditions:	Indoor use Installation Category III Pollution degree 2 Altitude up to 2000 meters Relative humidity 80% max. Ambient temperature 32 ~ 104°F (0 ~ 40°C)

Alligator Clips A
Fuse A
Test Leads A
Soft Carrying Case A

AAC3 (DCM3, IRT3) AF21 (IRT3, DMEG3) ATL91 (IRT20) AC319 (PSMR1)









A*C319* 

## **ELECTRICAL TESTERS**

#### Portable Electrical Testers



**ECT690 Electrical Tester** 

#### Features

- AC Volts 12 ~ 690
- DC Volts 6 ~ 220
- Continuity
- 1 Year limited warranty

#### Includes

- Battery (2) AA
- Manual



ECT1K **Continuity Tester** 

## **Features**

- Continuity
- Indicator light
- 1 Year limited warranty

#### Includes

- Battery (2) AA
- Manual



#### PET1 **Pocket Electrical Tester**

#### Features

- Worklight
- Non-contact AC voltage test: from 12 ~ 600V AC (with adjustable sensitivity)
- · Detects high and low AC Voltage
- Continuity check :  $0 \sim 80 \text{ M}\Omega$
- 3 Year limited warranty

## Includes

- Battery (2) AB13
- Manual



**ECT460K** Voltage Tester

#### Features

- Scaled AC V indicators
- 110 ~ 480V
- 1 Year limited warranty

#### Includes

Manual



NCV<sub>2</sub> **Pocket Electrical Tester** 

#### Features

- Non-contact AC voltage test: from 50 - 1000V AC
- 50 60Hz
- Bright LED Indicator
- Audible Alert
- Built in Battery Tester
- 3 Year limited warranty

#### Includes

- · Battery (2) AAA
- Manual



MA<sub>1</sub> **AC Ammeter** 

#### Features

- Ranges: 0 ~ 1.2A AC
- Accuracy: ±3% of full scale
- 1 Year limited warranty





**ECTGFI Ground Fault Indicator** Features

- 110V AC outlets
- 1 Year limited warranty

#### Includes

Manual



**ECT120 Electrical Tester** 

## Features

- 110 AC outlets
- 1 Year limited warranty

#### Includes

Manual

## **CAN'T FIND WHAT YOU'RE LOOKING FOR?...**

UEi offers a full line of HVAC/R and Combustion Testing equipment. We have grouped our products specifically to make it easy to find what you're looking for. Here are a few related products and data sheets. For a complete list visit: www.ueitest.com

Product Part # or Group	LIT#
Digital Multimeters	L332
Digital Clamp Meters	L333
Industrial Combustion	
Analog Clamp & Multimeters	L339
A/C & Refrigeration	L351
Digital Temperature Testers	L352
Humidity & Air Flow Products	L353

## RELATED PRODUCTS

## Digital Mutimeters: Lit #L332



DM200
Digital Multimeter



DM384
Digital Multimeter



DM383B
Digital Multimeter



DM391
Digital Mulitmeter

## Digital Clamp Meters: Lit #L333



DL369
G2PHOENIX PRIME



G2PHOENIX PRO
CH3
Extended Clamp Head
For DL379 & DL389

DL379KIT



G2PHOENIX PRO
CH3
Extended Clamp Head
For DL379 & DL389

DL389KIT



HVACKIT HVAC Clamp-On Meter Kit

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