

# CURRENT MEASUREMENT PROBES

## LM SERIES

### MODEL LM102 & LM103

Equipped with high performance magnetic material offering excellent linearity and improved performance. Ideal current measurement tool for use with multimeters, data loggers and power analyzers



### SPECIFICATIONS

MODELS	LM102	LM103
<b>ELECTRICAL</b>		
Nominal Range	200Aac	
Measurement Range	50mA to 200 Aac (1Ω load) 50mA to 200Aac (10Ω load)	100mA to 200A
Transformation Ratio	1000:1	Voltage Output
Output Signal	1mA/A (200mAac @ 200A)	1mV/A (200mVac @ 200A)
Accuracy	≤1% of Reading + 0.02 A (1Ω load) ≤1.5% of Reading + 0.01 A (10Ω load)	≤1.5% of Reading+ 0.02A
Phase Shift	≤3° (1 Ω load) ≤6° (10Ω load)	≤3°
Overload	350A continuous @ ≤1kHz 200 A continuous @ ≤8kHz	
Frequency Range	48 Hz to 10kHz	
Load Impedance	≤10Ω	≤10kΩ
Open Secondary Voltage	≤30V	-
Output Termination	Double-insulated 5ft (1.5m) lead with two 4mm safety banana plugs	
<b>MECHANICAL</b>		
Operating Temperature	14° to 122°F (-10° to 50°C)	
Storage Temperature	-40° to 176°F (-40° to 80°C)	
Operating Relative Humidity	0 to 85% RH decreasing linearly above 95°F (35°C)	
Protection	IP20 (EN 60529)	
Maximum Conductor Size	Ø 0.63" (16mm)	
Dimensions	5.13 x 1.81 x 1.34" (130.4 x 46 x 34mm)	
Weight	Approximately 8.8oz (250g)	
Material	Polycarbonate UL 94	
<b>SAFETY</b>		
Electrical	EN 61010-1, EN 61010-2-031, EN 61010-2-032 600V CAT III, 300V CAT IV Pollution Degree 2	
Double Insulation	Yes	
CE Mark	Yes	

### FEATURES

- Clamping diameter 0.63" (16mm)
- Measurement range from 0.1 to 200 Amps
- Over range up to 350 Amps continuous
- 1ma/A output (model LM102)
- 1mv/A output (model LM103)
- Clothes pin design allows access to tight places
- Frequency response from 48 to 10kHz
- Arrow marker clearly assist in proper orientation for power measurement applications

CATALOG NO.	DESCRIPTION
2153.04	AC Current Probe Model LM102
2153.05	AC Current Probe Model LM103