

CURRENT MEASUREMENT PROBES

MH SERIES

MODEL MH60

Designed to measure AC and DC currents using dual Hall effect and transformer technology at frequencies to 1MHz



FEATURES

- Clamping diameter 1.02" (26mm)
- Measurement range from 0.5 to 140 Amps AC, 100 Amps DC
- Measures AC+DC signals
- 1mV/A output
- Automatic compensation for earth's magnetic influence
- Battery Power (8 hour battery life) or USB continuous
- Frequency response from DC to 1 MHz
- Selectable 3 or 30kHz filter selection
- Push button zero adjust
- LED indicators for power, overload and filter selection
- UL 94 V2 self-extinguishing case material

SPECIFICATIONS

MODEL	MH60
ELECTRICAL	
Nominal Range	100Aac/dc (140A peak)
Measurement Range	500mA to 140Aac/100Adc
Transformation Ratio	Voltage Output
Output Signal	10mV/A (1Vac/dc @ 100A)
Accuracy	0.5 to 64Aac/dc: ≤1.5% of Reading + 0.01A 64 to 90Aac/dc: ≤4% of Reading 90 to 140Aac/100Adc: ≤5% of Reading
Phase Shift	≤1°
Overload	150A Continuous
Frequency Range (@ -3dB)	DC to 1MHz
Load Impedance	0.25mΩ (at 400Hz) 0.628mΩ (at 1MHz) In RF: 0.1μH for a primary transition
Common Mode Voltage	(600V Max) At 50Hz: 3.5mA/5mA @ 100V At 400Hz: 25.9mA/50mA @ 100V
Battery	Internal NiMH rechargeable battery; 5 Vdc external via female micro-USB type B connection
Battery Life	8 hours typical with fully-charged battery
Output Termination	6.6ft (2m) lead with molded isolated male BNC connector
MECHANICAL	
Operating Temperature	14° to 122°F (-10° to 50°C)
Storage Temperature	-4° to 122°F (-20° to 50°C)
Operating Relative Humidity	0 to 85% RH decreasing linearly above 95°F (35°C)
Maximum Conductor Size	Ø 1.02" (26mm)
Dimensions	5.43 x 1.92 x 1.10" (138 x 49 x 28mm)
Weight	Approximately 705oz (200g)
Material	Polycarbonate UL 94
SAFETY	
Electrical	EN 61010-1, Ed 2:2001 EN 61010-2-31 Ed 2:2002 600V CAT II, 300V CAT III Pollution Degree 2
Double Insulation	Yes
Protection	IP40 (EN 60529)
CE Mark	Yes

CATALOG NO.	DESCRIPTION
2153.03	AC/DC Current Probe Model MH60