

# CURRENT MEASUREMENT PROBES

## AC/DC Current Probes & DC/AC MicroProbes

### MR400 & MR500 Series

AC/DC current probes designed to extend current measuring capabilities of DMMs, oscilloscopes and other instruments



#### ► SPECIFICATIONS



MODELS	MR411	MR521
Measurement Range AC	0.5 to 40A 0.5 to 400A	0.5 to 100A 0.5 to 1000A
Measurement Range DC	0.5 to 60A 0.5 to 600A	0.5 to 150A 0.5 to 1500A
Output Signal Voltage (mV) <small>(AC in AC, DC in DC)</small>	10mV/A 1mV/A	10mV/A 1mV/A
Maximum Conductor Size Ø Cable	One 1.18" (30mm) Two 0.95" (24mm) Two x 500kcmil	One 1.5" (39mm) Two 0.98" (25mm)
Bus Bar	Two 1.2 x 0.4" (31.5 x 10mm)	Two 1.96 x 0.19" (50 x 5mm)
Output Connection	Lead with safety banana plug	Lead with safety banana plug
Power Source	One 9V Alkaline battery (included)	

#### ► FEATURES

- MR400 Series has a measurement range of 400AAC/600ADC
- MR500 Series has a measurement range of 1000AAC/1500ADC
- Two distinct jaw shapes to be used for hooking or prying around the conductor
- Low phase shift for power measurements
- Designed for DMMs, recorders, oscilloscopes, power and harmonic meters
- EN 61010, 600V CAT III, 300V CAT IV, Pollution Degree 2

### Models K100 & K110

Very small and compact, our microprobes are designed for accurate measurements of very low currents with 50µA<sub>DC</sub> sensitivity



Model K100

#### ► SPECIFICATIONS



MODELS	K100	K110
Current Range	0 to ± 4.5A <sub>DC</sub> 0 to 3A <sub>rms</sub>	0 to ± 450mA <sub>DC</sub> 0 to 300mA <sub>rms</sub>
Output (Vout)	1mV/mA	10mV/mA
Resolution	DC: 50µA typical, AC: 100µA typical	DC: 50µA typical, AC: 100µA typical
Accuracy	DC: ±1% of Reading ± 200µA, AC: ±2% of Reading, ± 200µA	DC: ±0.5% of Reading ± 150µA, AC: ±0.8% of Reading, ± 200µA
Output Noise	<100µV, DC to 3kHz	<100µV, DC to 3kHz
Frequency Response	DC to 2kHz (@ -3dB sine)	DC to 1.5kHz (@ -3dB sine)
Power Source	One 9V Alkaline battery (included)	
Battery Life	20 hours	

#### ► FEATURES

- Measures extremely low level DC from 100µA
- Outputs signal proportional to total current (DC + AC)
- Low noise
- Ultra-compact size and non-contact clamp-on convenience
- Simple plug-in operation
- Designed for use with digital multimeters and oscilloscopes
- Accurate display of waveforms
- No range or mode (AC/DC) switching required
- Red LED indicates momentary or continuous overload
- Green LED indicates power and battery condition

CATALOG NO.	DESCRIPTION
1200.68	AC/DC Current Probe Model MR411 (10mV/A – 60A max & 1mV/A – 600A max, Lead)
1200.69	AC/DC Current Probe Model MR521 (10mV/A – 150A max & 1mV/A 1500A – max, Lead)
1200.67	DC/AC MicroProbe Model K100 (1mV/mA – 4.5A max)
2111.73	DC/AC MicroProbe Model K110 (10mV/mA – 450mA max)