CURRENT MEASUREMENT PROBES

AC/DC Current Probes & DC/AC MicroProbes

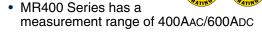
MR400 & MR500 Series

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



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) (AC in AC, DC in DC)	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)		





- 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 50µADC sensitivity

►SPECIFICATIONS

MODELS	K100	K110		
Current Range	0 to ± 4.5Add 0 to 3Arms	0 to ± 450mApc 0 to 300mArms		
Output (Vout)	1mV/mA	10mV/mA		
Resolution	DC: 50µA typical, AC: 100µA typical	DC: 50µA typical, AC: 100µA typical		
Accuracy	DC: $\pm 1\%$ of Reading $\pm 200\mu\text{A}$, AC: $\pm 2\%$ of Reading, $\pm 200\mu\text{A}$	DC: $\pm 0.5\%$ of Reading $\pm 150\mu\text{A}$, AC: $\pm 0.8\%$ of Reading, $\pm 200\mu\text{A}$		
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			



 Measures extremely low level DC from 100µA
Outputs signal proportion

 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		
		PRICE	NIST CALIBRATION
1200.68	AC/DC Current Probe Model MR411 (Lead - 10mV/A - 60A max & 1mV/A - 600A max)	\$364.00	\$65.00
1200.69	AC/DC Current Probe Model MR521 (Lead - 10mV/A - 150A max & 1mV/A 1500A - max)	\$389.00	\$65.00
1200.67	DC/AC MicroProbe Model K100 (1mV/mA – 4.5A max)	\$635.00	\$65.00
2111.73	DC/AC MicroProbe Model K110 (10mV/mA – 450mA max)	\$675.00	\$65.00
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