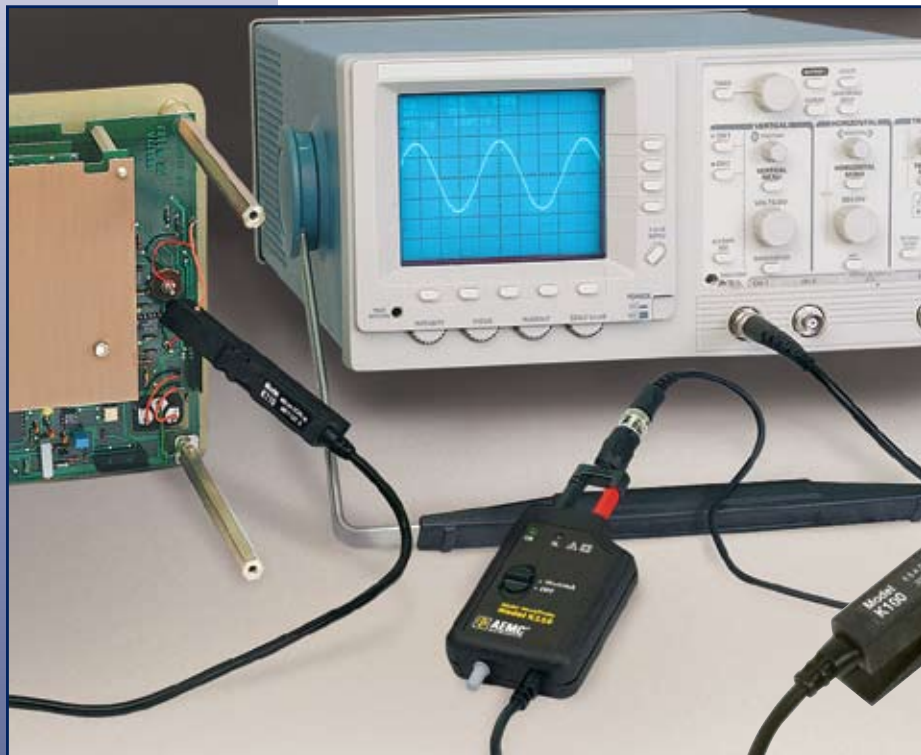
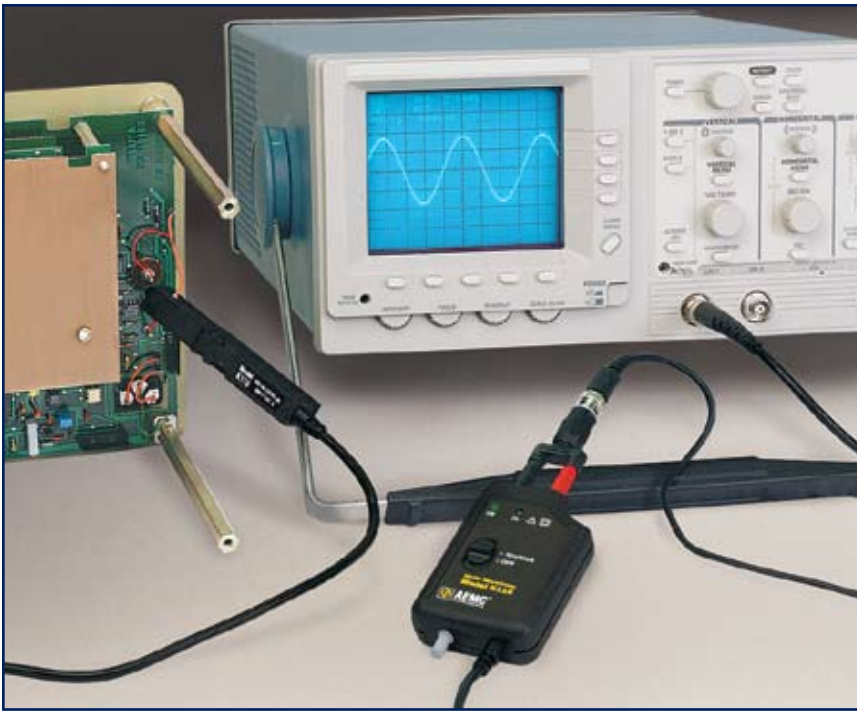


DC/AC MICROPROBE

Models K100 & K110



- ▶ Measures extremely low level DC from 100 μ A
- ▶ Outputs signal proportional to total current (DC + AC)
- ▶ Ultra-compact size and non-contact clamp-on convenience
- ▶ Simple plug-in operation
- ▶ 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



The K Series Microprobe accurately measures levels of AC low currents on a circuit board and connects to an oscilloscope for an analysis in real time.

FEATURES

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

APPLICATIONS

- ▶ Industrial process controls (4 to 20mA current loops)
- ▶ Electronic circuit design, testing and repair
- ▶ Automobile wiring and engine control systems
- ▶ Avionics systems maintenance and repair
- ▶ Shipboard maintenance and repair
- ▶ Fault and signal location in complex networks
- ▶ Ground and leakage current measurement
- ▶ Pre-deployment testing of power-conscious equipment

SPECIFICATIONS

MODELS	K100	K110
ELECTRICAL		
Current Range	0 to ±4.5A _{AC} 0 to 3A _{rms}	0 to ±450mA _{DC} 0 to 300mA _{rms}
Output (V _{out})	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	<100mV, DC to 3kHz	<100mV, DC to 3kHz
Frequency Response	DC to 2kHz (@ -3dB sine)	DC to 1500kHz (@ -3dB sine)
Power Source	9V Alkaline battery	9V Alkaline battery
MECHANICAL		
Dimensions	Probe: 4.4 x 0.6 x 1.0" (111 x 15 x 25mm) Module: 4.9 x 2.5 x 1.1" (124 x 64 x 28mm)	
Weight	9 oz (250g)	
Index of Protection	IP 40 per IEC 529	
ENVIRONMENTAL		
Operating Temperature	-14° to 131°F (-10° to 55°C)	
Storage Temperature	-40° to 176°F (-40° to 80°C)	
SAFETY		
Safety Rating	EN 61010-1, 300V Cat. II	
CE Mark	Yes	



Shrouded Banana Plugs: Two 4mm safety banana plugs; standard 3/4" (19mm) spacing

CONSTRUCTION



ORDERING INFORMATION	CATALOG NO.
DC/AC MicroProbe Model K100 (1mV/mA – 4.5A max)	Cat.#1200.67
Includes 9V battery and user manual	
DC/AC MicroProbe Model K110 (10mV/mA – 450mA max)	Cat. #2111.73
Includes 9V battery and user manual	
Accessories (Optional)	
Adapter – 4mm Non-insulated for Safety Leads	Cat. #1017.45
Banana (Male) – BNC (Female) Adapter	Cat. #2111.32



Call the AEMC® Instruments Technical Assistance Hotline for immediate consultation with an applications engineer: **(800) 343-1391**

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950.BR-K100/110 02/08 Rev. 03

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