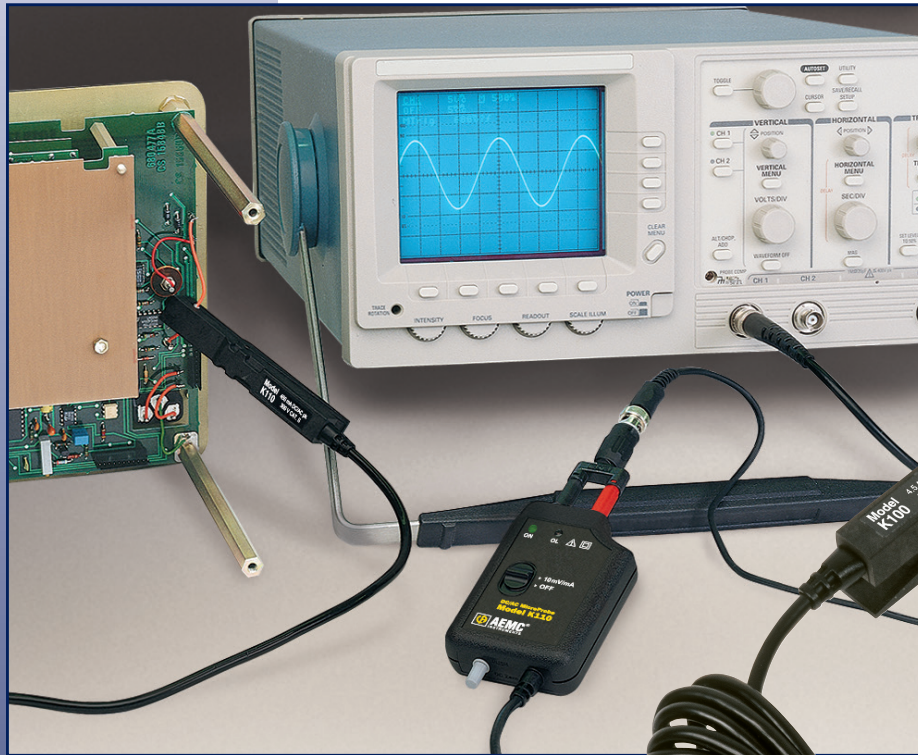


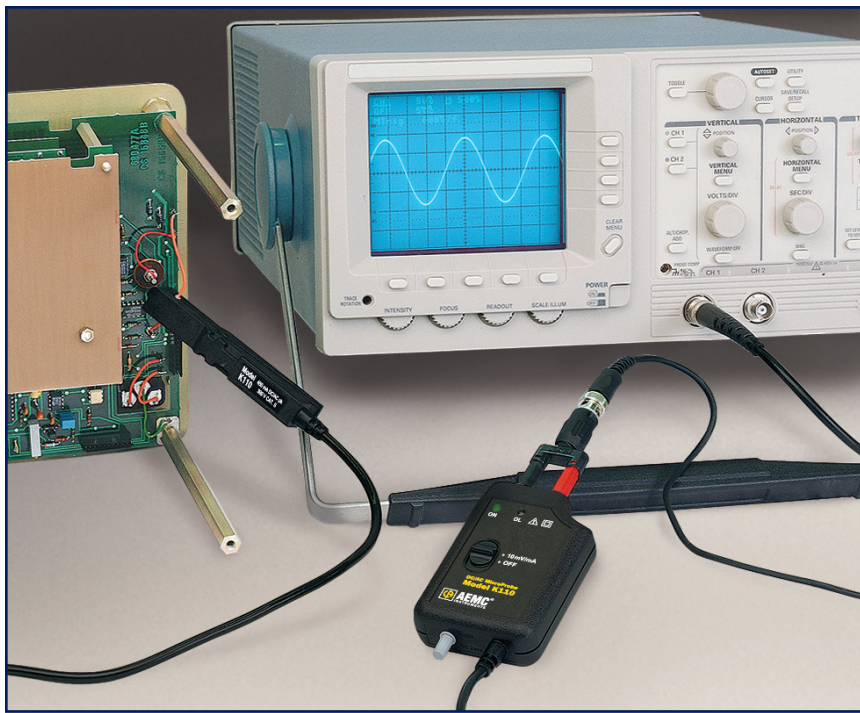
DC/AC MICROPROBE

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

Technical Hotline: (800) 343-1391
www.aemc.com



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.

SPECIFICATIONS

MODELS	K100	K110
ELECTRICAL		
Current Range	0 to ± 4 ADC 0 to 3 Arms	0 to ± 400 mADC 0 to 300 mArms
Output (Vout)	1 mV/mA	10 mV/mA
Resolution	DC: 100 µA typical AC: 200 µA typical	DC: 50 µA typical AC: 150 µA typical
Accuracy	DC: 1 mA to 2 A: 1% reading ± 300 µA (2 to 4) A: 2% reading ± 500 µA AC: 2% reading ± 500 µA	DC: (1 to 200) mA: 0.5% reading ± 150 µA (200 to 400) mA: 1.5 % reading ± 200 µA AC: 1% reading ± 300 µA
Output Noise	< 100 mV, DC to 3 kHz	
Frequency Response	DC to 2 kHz (@ -3dB sine)	DC to 1.5 kHz (@ -3dB sine)
Power Source	9 V Alkaline battery	
MECHANICAL		
Dimensions	Probe: (4.4 x 0.6 x 1.0) in (111 x 15 x 25) mm Module: (4.9 x 2.5 x 1.1) in (124 x 64 x 28) mm	
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, 300 V CAT II	
CE Mark	Yes	

FEATURES

- Measures extremely low level AC from 100 μ A, DC from 50 μ A
- 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



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

United States & Canada

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