

CURRENT MEASUREMENT PROBES

Flexible Current Probes

AmpFlex® Flexible Current Probes

Flexible AC current probe composed of a flexible sensor and an electronic module



Model	Measurement Range	Output	Sensor Length inches (mm*)	Max Conductor Size inches (mm*)	Catalog No.	Price**
300-24-2-10	30/300A	100/10mV/A	24 (610)	8 (190)	2112.88	
1000-24-1-1	1000A	1mV/A	24 (610)	8 (190)	2112.39	
1000-24-2-1	100/1000A	10/1mV/A	24 (610)	8 (190)	2112.98	
1000-36-2-1	100/1000A	10/1mV/A	36 (910)	11 (290)	2113.00	
3000-24-2-0.3	300/3000A	3.3/0.3mV/A	24 (610)	8 (190)	2114.87	
3000-24-1-1	3000A	1mV/A	24 (610)	8 (190)	2112.46	
3000-36-1-1	3000A	1mV/A	36 (910)	11 (290)	2112.48	
3000-24-2-1	300/3000A	10/1mV/A	24 (610)	8 (190)	2113.05	
3000-36-2-1	300/3000A	10/1mV/A	36 (910)	11 (290)	2112.00	
3000-48-2-1	300/3000A	10/1mV/A	48 (1220)	15 (390)	2112.01	
6000-36-2-0.1	600/6000A	1/0.1mV/A	36 (910)	11 (290)	2113.21	
30000-24-2-0.1	3000/30,000A	1/0.1mV/A	24 (610)	8 (190)	2113.33	

*Dimensions rounded off

**Consult factory for NIST Calibration prices

Consult factory for special offers and ranges/lengths not shown here.

Note: Output is safety shrouded 4mm male banana plug

FEATURES

- Models ranging from 0.5 to 30,000Arms
- Accuracy $\pm 1\%$ of Reading
- TRMS measurements when connected to a TRMS instrument
- No core saturation or damage if overloaded
- Overrange LED for measurement circuitry
- Waterproof sensor
- 9V Alkaline battery, provides typical 150 hours of continuous operation (battery included)
- Shape memory for custom pre-shaping of sensor before use (no drooping)
- Very high frequency response
- Low phase shift for power measurements of $< 1.3^\circ$, 0.7° typical
- Insensitive to DC, measures only AC component on DC + AC signals
- Excellent linearity
- Lightweight

FlexProbe® Flexible Current Probe Model 24-3001

Low cost AC current measurement probe designed to plug into digital multimeters, oscilloscopes and power recorders



ACCESSORIES

Banana (female)
BNC (male) (XM-BB)

Catalog #2118.46
(optional for AmpFlex® & FlexProbe® Flexible Current Probes)



SPECIFICATIONS

MODEL	24-3001
ELECTRICAL	
Current Range	300/3000AAC
Output Signal	mV output (4000mV peak max)
Three Position Slide Switch	10mV/A 1mV/A ON/OFF
Power Source	9V Alkaline battery (included)
MECHANICAL	
Maximum Conductor Size	7.6" (193mm)
Sensor Length	24" $\pm 1"$ (610mm ± 25.4 mm)
Cable Length	6.5ft (2m)
Output Connection	Double insulated 14" (355mm) lead with safety banana plugs

FEATURES

- 24" flexible sensor fits around conductors up to 7.6" in diameter
- Dual measurement ranges of 300A and 3000AAC
- Read amperage directly on DMM display
- mV output directly proportional to the AC current measured
- Output is 10mV/A on 300A range and 1mV/A on 3000A range
- Accuracy of $\pm 1\%$ of Reading ± 500 mA
- 4% influence of conductor position in jaw
- Up to 150 hours of battery life
- Dual banana plug termination for direct input into DMMs
- Flashing LED low battery indicator
- 9V Alkaline battery, provides typical 150 hours of continuous operation (battery included)

CATALOG NO.	DESCRIPTION
2120.81	FlexProbe® Model 24-3001 (300/3000AAC, 24", 10mV/A/1mV/A, Lead)
Accessories (Optional)	
2118.46	Adapter – Banana (Female) – BNC (Male) (XM-BB)