

# 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.
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 list and 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 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°, 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
<b>ELECTRICAL</b>	
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)
<b>MECHANICAL</b>	
Maximum Conductor Size	7.6" (193mm)
Sensor Length	24" ± 1" (610mm ± 25.4mm)
Cable Length	6.5 ft (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 1% of Reading ± 500mA
- 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)