

# Flexible Current Probes

Flexible probes accommodate a wide range of conductor sizes

## Flexible Current Probes (AmpFlex®)

- Models ranging from 30 to 30,000 A<sub>rms</sub>
- 1% of reading accuracy
- True RMS measurements when connected to a True RMS instrument
- No core saturation or damage if overloaded
- Over range LED for measurement circuitry
- Waterproof sensor
- 9 V battery (included), provides typical 150 hours of continuous operation
- 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 and lightweight

SPECIFICATIONS		
Model No.	3000-24-2-1	6000-36-2-0.1
Current range	300/3000 A	600/6000 A
Operating range	5 to 3000 A	5 to 6000 A
Measurement range	5 to 3000 A	5 to 6000 A
Output signal(s)	10 mV/A 1 mV/A	1 mV/A 0.1 mV/A
Crest factor (mid-range)	3.0	3.0 (>10)
Phase shift @ 50/60Hz	0.7°	0.5°
Residual noise	200 mA	500 mA
DC offset	5 mV 2 mV	2 mV 1 mV



## Flexible Current Probe (FlexProbe®)

- 24" (610 mm) flexible sensor fits around conductors up to 7.6" (193 mm) in dia
- Dual measurement ranges of 300 A and 3000 A AC
- Read amperage directly on DMM display
- mV output directly proportional to the AC current measured
- Output is 10 mV/A on 300 A range and 1 mV/A on 3000 A range
- Accuracy of 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

SPECIFICATIONS	
Model No.	24-3001
Current range	300/3000 AAC
Output signal	mV output (4000 mV peak max)
Three position slide switch (ON/OFF)	10 mV/A: 5 A to 300 A <sub>rms</sub> , 1 mV/A: 50 A to 3000 A <sub>rms</sub>
Max conductor size	7.6" (193 mm)
Sensor length	24" ±1" (610 mm ± 25.4 mm)
Cable length	6½ ft (2 m)
Output connection	Double insulated 14" (355 mm) lead with safety banana plugs



What's included: One 9 V AA battery.

Catalog No.	Model No.	Description
TS-20012-35	3000-24-2-1	AmpFlex, flexible current probe, 300/3000 A, 24" (610 mm), 10 mV/1 mV/A
TS-20012-36	6000-36-2-0.1	AmpFlex, flexible current probe, 600/6000 A, 36" (914 mm), 1/0.1 mV/A
TS-20012-74	24-3001	FlexProbe, 300/3000 AAC, 24" (610 mm), 10 mV/A/A/1 mV/A, with lead
Accessories		
TS-20016-30	2118.46	Banana (female) — BNC (male) adapter
TS-09386-04	—	Replacement batteries, 9 V. 4/pk
TS-17100-04	—	NIST-traceable calibration with data