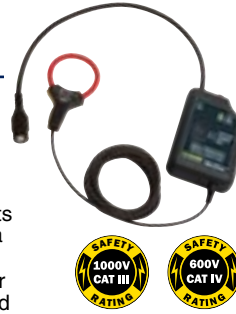


Learn more on how to select a proper **Clamp-On Current Probe** for your specific needs



### MiniFlex® Series

- Measures from 0.5 to 3000Arms
- Accuracy 1% of Reading  $\pm$  from 0.2 to 0.25A
- TRMS measurements when connected to a TRMS instrument
- No core saturation or damage if overloaded
- Low phase shift for power measurements
- Measures only AC
- High frequency models available for oscilloscopes
- Excellent linearity
- CE Mark



### DC/AC MicroProbes

- Measures extremely low level DC from 100 $\mu$ A
- Outputs signal proportional to total current (DC + AC)
- Low noise
- Ultra-compact size and non-contact clamp-on convenience
- Simple plug-in operation
- Designed for use with digital multimeters and oscilloscopes
- No range or mode (AC/DC) switching required
- CE Mark



### MN200 & MN300 Series AC Current Probes

- Small, compact size
- Measurement range of 5mA to 240AAC
- Jaw opening accommodates conductors up to 250kcmil
- Designed for DMMs, loggers, recorders and oscilloscopes
- 40Hz to 10kHz response
- Available with mA or mV output signals
- Available with jack outputs, integral leads with shrouded safety banana plugs or BNC terminated lead
- CE Mark, UL approved



### MR400 & MR500 Series AC/DC Current Probes

- Measurement range of 400AAC/600ADc (MR400 Series)
- Measurement range of 1000AAC/1500ADc (MR500 Series)
- Two distinct jaw shapes to be used for hooking or prying around the conductor
- Low phase shift for power measurements
- Designed for DMMs, recorders, oscilloscopes, power and harmonic meters
- CE Mark



### SR Series Current Probes

- Measurement range of 100mA to 1200AAC
- Large jaw opening accommodates up to two 500kcmil conductors
- Ergonomic design and easy operation
- Low phase shift for power measurements
- Available with mA or mV output signals
- Designed for DMMs, recorders, loggers, oscilloscopes, power and harmonic meters
- CE Mark, UL approved



### Flexible Current Probes

- Models ranging from 30 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
- CE Mark



### MD Series AC Current Probes

- 600A Range with mA or mV output
- Unique hook-shaped jaws that enable the user to "pry" into or "hook" onto cables
- Maximum conductor size is 2 x 500kcmil
- Works as a traditional current transformer with ratio of 1000:1
- AC/DC outputs available
- CE Mark



### JM Series AC Current Probes

- Current range: up to 3000AAC (continuous cycle for the full temperature range)
- Output: 1mA/A voltage or V/A voltage
- Designed for use on DMMs, power and harmonic meters, recorders of instruments with AC current ranges
- CE Mark



### MN01 to MN05 Series AC Current Probes

- Small, compact and very tough AC probes
- "Clothes pin" shape makes them ideal for use in tight areas, such as breaker panels, controller panels or outlets
- Measurements from 1mA to 150AAC
- Excellent companions to all DMMs Permits very low AC current measurements
- CE Mark



### MN100 Series AC Current Probes

- Small, compact and very tough AC probes
- "Clothes pin" shape makes them ideal for use in tight areas, such as breaker panels, controller panels or outlets
- Measurements from 1mA to 150AAC
- Excellent companions to all DMMs Permits very low AC current measurements



### SL Series AC/DC Current Probes

- Low AC and DC measurements
- 50mA to 120AAC/150ADc
- Unique design for probing in crowded wiring in industrial and automotive environments
- Hall effect sensor technology
- Use with DMMs, voltmeters and other voltage measuring instruments
- CE Mark









Note: Product image size not proportionate. Not all models are CE and UL approved; please consult factory.

# CURRENT MEASUREMENT PROBES

## Oscilloscope/BNC Terminated Probes Selection Chart

### Oscilloscope & BNC Terminated Probes

**Oscilloscope current probes expand oscilloscope applications in industrial or power measurement environments, and are ideal for analysis and measurement of distorted current waveforms and harmonics**

MODEL	MEASUREMENT RANGE		OUTPUT SIGNAL	PHASE SHIFT*	MAXIMUM CONDUCTOR SIZE		OUTPUT CONNECTION
	AC	DC	VOLTAGE		Ø CABLE	BUS BAR	
 SL261	100mA to 10A 1 to 100A	100mA to 10A 1 to 100A	100mV/Ac/Dc 10mV/Ac/Dc	<1.5°	0.46" (11.8mm)	N/A	Lead w/BNC UL
 MN261	0.1 to 24A 0.5 to 240A	—	100mV/Ac/Aac 10mV/Ac/Aac	<2.5°	0.78" (19.8mm)	N/A	Lead w/BNC UL
 MR461	0.2 to 40A 0.5 to 400A	0.4 to 60A 0.5 to 600A	10mV/Ac/Dc 1mV/Ac/Dc	<1.5°	One 1.18" (30mm) Two 0.95" (24mm) 2 x 500kcmil	Two 1.2 x 0.4" (31.5 x 10mm)	Lead w/BNC
 MR561	0.2 to 100A 0.5 to 1000A	0.4 to 150A 0.5 to 1500A	10mV/Ac/Dc 1mV/Ac/Dc	<1.5°	One 1.5" (39mm) Two 0.98" (25mm)	One 1.96 x 0.49" (50 x 12.5mm) Two 1.96 x 0.19" (50 x 5mm)	Lead w/BNC
 SR661	0.1 to 12A 0.1 to 120A 1 to 1200A	—	100mV/Ac/Aac 10mV/Ac/Aac 1mV/Ac/Aac	<1°	2.05" (52mm)	1.96 x 0.19" (50 x 5mm)	Lead w/BNC UL
 JM861	1 to 30A 1 to 300A 1 to 3000A	—	10mV/Ac/Aac 1mV/Ac/Aac 0.1mV/Ac/Aac	<1°	2.52" (64mm) 2.52 x 3.94" (64 x 100mm)	1.97 x 5.31" (50 x 135mm)	Lead w/BNC

\*Phase shift indicated at maximum rating.

Note: All probes are rated 600V CAT III and CE compliant. Not all models are UL approved; please consult factory.

CATALOG NO.	DESCRIPTION	PRICE	NIST CALIBRATION
1201.51	AC/DC Current Probe Model SL261 (10A-100mV/A, 100A-10mV/A, BNC)	\$449.00	\$94.00
2115.82	AC Current Probe Model MN261 (24A-100mV/A, 240A-10mV/A, BNC)	\$184.00	\$65.00
1200.72	AC Current Probe Model MR461 (60A-10mV/A, 600A-1mV/A, BNC)	\$384.00	\$65.00
1200.73	AC Current Probe Model MR561 (150A-10mV/A, 1500A-1mV/A, BNC)	\$414.00	\$65.00
2113.49	AC Current Probe Model SR661 (10A-100mV/A, 100A-10mV/A, 1000A-1mV/A, BNC)	\$299.00	\$75.00
2110.90	AC Current Probe Model JM861 (30A-10mV/A, 300A-1mV/A, 3000A-0.1mV/A, BNC)	\$520.00	\$98.00

# CURRENT MEASUREMENT PROBES

## General Purpose Probes Selection Chart



### General Purpose Probes

The most complete line of current probes offering a variety of output options and terminations for recorders, data loggers, oscilloscopes, DMMs and other instruments

SERIES	MODEL	RATIO	MEASUREMENT RANGE		OUTPUT SIGNAL		PHASE SHIFT**	MAXIMUM CONDUCTOR SIZE		OUTPUT CONNECTION	CATALOG NO.	PRICE***
			AC	DC	CURRENT	VOLTAGE		Ø CABLE	BUS BAR			
	MN01	-	2 to 150A	-	1mAac/Aac	-	N/A	0.39" (12mm)	N/A	Lead	2129.17	\$79.00
	MN02	1000:1	50mA to 100A 50mA to 90A	-	1mA/A	-	N/A	0.39" (10mm)	N/A	Lead	2129.20	\$109.00
	MN03	-	2 to 100A	-	-	1mV/A	N/A	0.39" (12mm)	N/A	Lead	2129.18	\$89.00
	MN05	-	5mAac to 10Aac 1 to 100Aac	-	-	1mVac/mAac 1mVac/Aac	N/A	0.39" (10mm)		Lead	2129.19	\$99.00
MN103	-	1mA to 10A 1 to 100A	-	-	1mVac/mAac 1mVac/Aac	N/A	0.47" (12mm)	Lead		1031.02	\$189.00	
MN106	1000:1	2 to 150A	-	1mAac/Aac	-	<10°		Lead		1031.17	\$159.00	
MN114	-	1mA to 10A	-	-	100mVac/Aac	<8°		Lead	2110.71	\$184.00		
MN185	1000:1	50mA to 120A	-	1mAac/Aac	-	<3.5°		Jack	100.185	\$129.00		
	MN213	1000:1	0.5 to 240A	-	1mAac/Aac*	-	<2.5°	0.78" (19.8mm)	N/A	Lead	2115.75	\$129.00
	MN251	-	0.5 to 240A	-	-	1mVac/Aac	<2.5°			Lead	2115.77	\$149.00
	MN253	-	0.5 to 240A	-	-	10mVac/Aac	<2.5°			Lead	2115.79	\$149.00
	MN255	-	0.1 to 24A 0.1 to 240A	-	-	100mVac/Aac 10mVac/Aac	<2.5°			Lead	2115.81	\$154.00
	MN291	-	0.5 to 240A	-	-	100mVdc/Aac	N/A			Lead	2115.84	\$149.00
	MN307	-	10mA to 12A	-	-	100mV/Aac	<2.5°	0.78" (19.8mm)	N/A	Lead	2116.23	\$199.00
	MN312	1000:1	0.1 to 200A	-	1mAac/Aac	-	<2.5°			Jack	2116.24	\$164.00
	MN313	1000:1	0.1 to 200A	-	1mAac/Aac	-	<2.5°			Lead	2116.25	\$174.00
	MN352	-	0.1 to 150A	-	-	10mV/Aac	<2.5°			Jack	2116.26	\$169.00
	MN353	-	0.1 to 150A	-	-	10mV/Aac	<2.5°			Lead	2116.27	\$189.00
	MN373	-	0.01 to 2.4A 0.1 to 200A	-	-	1000mV/Aac 10mV/Aac	<3°			Lead	2116.28	\$199.00
	MN375	-	0.1 to 10A	-	-	100mV/Aac	<1.5°			Lead	2115.41	\$224.00
	MN379	-	5 to 100A	-	-	200mV/Aac 10mV/Aac	<1.5°			Lead	2153.01	\$229.00
	SL206	-	10mA to 1.5A 50mA to 60A	10mA to 2A 50mA to 80A	-	1mV/mAac/dc 10mV/Aac/dc	<1°	0.46" (11.8mm)	N/A	Lead	1201.45	\$389.00
	MD301	1000:1	2 to 500A	-	-	1mVdc/Aac	N/A	1.18" (30mm) 2 x 500kcmil	2.48 x 0.20" (63 x 5mm)	Lead	1201.07	\$175.00
	MD304	100:1	1 to 600A	-	10mAac/Aac	-	<3°			Lead	1201.37	\$285.00
	MD305	1000:1	1 to 600A	-	1mAac/Aac	-	<1°			Lead	1201.36	\$269.00

\*Diode Protection for open secondary (Output)

\*\*Phase shift indicated at maximum rating

\*\*\*Consult factory for NIST Calibration price

Note: Models MN103, MN106, MN114 & MN185 are not CE compliant. MN200 & MN300 series probes are UL approved.



# CURRENT MEASUREMENT PROBES

## General Purpose Probes Selection Chart

### General Purpose Probes



The most complete line of current probes offering a variety of output options and terminations for recorders, data loggers, oscilloscopes, DMMs and other instruments

SERIES	MODEL	RATIO	MEASUREMENT RANGE		OUTPUT SIGNAL		PHASE SHIFT**	MAXIMUM CONDUCTOR SIZE		OUTPUT CONNECTION	CATALOG NO.	PRICE***
			AC	DC	CURRENT	VOLTAGE		Ø CABLE	BUS BAR			
	SR600	1000:1	0.1 to 1000A	–	1mAac/Aac	–	<0.5°	2.05" (52mm)	1.96 x 0.19" (50 x 5mm)	Jack	2113.42	\$159.00
	SR601	1000:1	0.1 to 1000A	–	1mAac/Aac*	–	<0.5°			Jack	2113.43	\$179.00
	SR604	1000:1	0.1 to 1000A	–	1mAac/Aac*	–	<0.5°			Lead	2113.44	\$189.00
	SR632	1000:5	0.1 to 1000A	–	5mAac/Aac*	–	<1°			Lead	2114.79	\$239.00
	SR634	250:5 500:5 1000:5	1 to 250A 1 to 500A 1 to 1000A	–	20mAac/Aac 10mAac/Aac 5mAac/Aac*	–	<1°			Jack	2113.48	\$249.00
	SR651	–	0.1 to 1000A	–	–	1mVAc/Aac	<0.5°			Jack	2113.45	\$179.00
	SR701	1000:1	1mA to 1000A	–	1mAac/Aac*	–	<0.5°	2.05" (52mm)	1.96 x 0.19" (50 x 5mm)	Jack	2116.29	\$249.00
	SR704	1000:1	1mA to 1000A	–	1mAac/Aac*	–	<0.5°			Lead	2116.30	\$259.00
	SR752	–	100mA to 1000A	–	–	1mVAc/Aac	<0.7°			Lead	2116.32	\$299.00
	SR759	–	1mA to 1A 10mA to 10A 0.1 to 100A 1 to 1000A	–	–	100mVAc/Aac 100mVAc/Aac 10mVAc/Aac 1mVAc/Aac	<1°			Lead	2116.33	\$299.00
	JM810A	2000:2	1 to 2000A	–	1mAac/Aac	–	<0.5°	2.52" (64mm)	1.97 x 5.31" (50 x 135mm) 2.52 x 3.94" (64 x 100mm)	Lead	2110.80	\$499.00
	JM813	3000:3	1 to 2400A	–	1mAac/Aac	–	<0.5°			Jack	2110.93	\$489.00
	JM830A	3000:1	1 to 2400A	–	.333mAac/Aac	–	<0.5°			Lead	2110.83	\$474.00
	JM850A	1000:1 2000:1 3000:1	1 to 1000A 1 to 2000A 1 to 2400A	–	1mAac/Aac .5mAac/Aac .333mAac/Aac	–	<0.5°			Jack	2110.87	\$520.00
	JM865A	1000:5 2000:5 3000:5	1 to 1000A 1 to 2000A 1 to 2400A	–	5mAac/Aac 2.5mAac/Aac 1.67mAac/Aac	–	<0.5°			Jack	2110.88	\$520.00

\*Diode Protection for open secondary (Output)  
 \*\*Phase shift indicated at maximum rating  
 \*\*\*Consult factory for NIST Calibration price  
 Note: SR series probes are UL approved.

### ▶ OUTPUT TERMINATIONS

#### Lead with BNC

Insulated 6.5 ft (2m) coaxial cable with insulated BNC connector rated 600Vrms



#### Jack

Two standard safety banana jacks (4mm)



#### Leads

Double/reinforced 5 ft (1.5m) lead with 4mm safety banana plug



#### Shrouded Banana Plugs

Two 4mm safety banana plugs; standard 3/4" (19mm) spacing





Model 4000D (14" probe)

Model 400D (10" probe)

### Models 400D & 4000D

Provide a welcomed solution when accessing electrical conductors is difficult in tight places



### ► FEATURES

- Easy access and measurement, even in confined spaces where access is difficult
- Measurement from 20mAac to 4000A (model dependent)
- Available with 6", 10" and 14" sensor lengths
- Sensor diameter 1.77" to 3.94" (sensor dependent)
- Resolution down to 1mA (model dependent)
- HOLD feature
- Direct reading
- Compact and simple to use
- Flexible current sensor
- True RMS
- Safety rating of 600V CAT IV

### ► SPECIFICATIONS

MODEL	400D		
<b>ELECTRICAL</b>			
Display Range	4Aac	40Aac	400Aac
Measurement Range	0.100 to 3.999A	4.00 to 39.99A	40.0 to 399.9A
Resolution	1mA	10mA	100mA
Accuracy	±(2% + 10cts)	±(1.5% + 2cts)	±(1.5% + 2cts)
Sensor Diameter	400D-6: Ø 1.77" (45mm) / 400D-10: Ø 2.75" (70mm)		
Sensor Length	400D-6: 6" (170mm) / 400D-10: 10" (250mm)		
Bandwidth	10Hz to 3kHz		
MODEL	4000D		
Display Range	40Aac	400Aac	4000Aac
Measurement Range	0.1 to 39.99A	40.0 to 399.9A	400 to 3999A
Resolution	10mA	100mA	1A
Accuracy	±(2% + 10cts)	±(1.5% + 2cts)	±(1.5% + 2cts)
Sensor Diameter	Ø 3.94" (100mm)		
Sensor Length	14" (350mm)		
Bandwidth	10Hz to 3kHz		
<b>MECHANICAL</b>			
Power Supply	2 x 1.5V AAA / LR3 batteries		
Safety	IEC 61010, 600V CAT IV		
Operating Temperature	32° to 122°F (0° to 50°C)		
Weight	Approx. 130g		
Casing Dimensions	3.94 x 2.36 x 0.79" (100 x 60 x 20mm)		
Connection Cable Length	2.62 ft (0.8 m)		

CATALOG NO.	DESCRIPTION	PRICE	NIST CALIBRATION
2153.21	Digital FlexProbe® Model 400D-6 (TRMS, 4Aac, 40Aac, 400Aac)	\$299.00	\$67.00
2153.22	Digital FlexProbe® Model 400D-10 (TRMS, 4Aac, 40Aac, 400Aac)	\$309.00	\$67.00
2153.23	Digital FlexProbe® Model 4000D-14 (TRMS, 40Aac, 400Aac, 4000Aac)	\$319.00	\$67.00
<b>Accessories (Optional)</b>			
5000.44	Multiflex Multi-Position Magnetic Accessory (available on website storefront)	\$ 15.95	-



### High Frequency Oscilloscope Compatible MiniFlex® Probes

**A compact AC current measurement device composed of a flexible sensor and an electronic module designed to measure frequency response up to 1MHz**



Model MF 300-6-2-10-HF (6" probe)

Model MF 300-10-2-10-HF (10" probe)

#### ► SPECIFICATIONS

MODELS	MF 300-6-2-10-HF	MF 300-10-2-10-HF
<b>ELECTRICAL</b>		
Range	30/300A	
Signal Output	100mV/10mV/A	
Frequency Range	5 to 1MHz @ -3db	
Influence of Conductor Positioning	1.5% typical, 3% max	
Influence of Conductor Positioning in Sensor Against Handle	4% typical, 6% max	
External Conductor Influence	35dB to 40dB on contact	
Power Source	9V Alkaline battery (6LF22)	
<b>MECHANICAL</b>		
Sensor Diameter	5mm Ø	
Sensor Length	6" (152mm)	10" (250mm)
Max Conductor Size	1.77" (45mm)	2.95" (70mm)
Connection Cable Length	6.5 ft (2m)	
Drop Test	Per IEC 68-2-32	
Vibration	Per IEC 68-2-6	
Mechanical Shock	Per IEC 68-2-27	
Weatherproofing	IP 50	
<b>ENVIRONMENTAL</b>		
Operating Temperature Range	14° to 131°F (-10° to +55°C)	
Storage Temperature Range	-40° to 158°F (-40° to +70°C)	
Altitude	Operating: 0 to 2000m, working voltage derating above; Non-operating: 0 to 12,000m	
<b>SAFETY</b>		
Safety Rating	EN 61010, 1000V CAT III; 600V CAT IV	



#### ► FEATURES

- Measures from 0.5 to 300Arms
- Accuracy 1% of Reading ± 0.2A
- TRMS measurements when connected to a TRMS instrument
- No core saturation or damage if overloaded
- 9V battery for typical 140 hours continuous operation
- 1MHz frequency response
- Low phase shift for power measurements
- Insensitive to DC, measures only AC component on DC + AC signals
- Excellent linearity
- Lightweight
- Sensor is resistant to oils and aliphatic hydrocarbons
- Perfect accessory for all oscilloscopes

CATALOG NO.	DESCRIPTION	PRICE	NIST CALIBRATION
2126.83	MiniFlex® Model MF 300-6-2-10-HF	\$569.00	N/A
2126.84	MiniFlex® Model MF 300-10-2-10-HF	\$599.00	N/A



### MiniFlex® Flexible Current Probes for General Use

**A flexible sensor equipped with banana or BNC connector and can be connected directly to any multimeter, wattmeter or logger for effective measurements at the standard frequencies**



Model MF 300-6-2-10 (6" probe)



Model MF 3000-10-2-1 (10" probe)



#### ► FEATURES

- Measures from 0.5 to 3000Arms
- Accuracy 1% of Reading ± 0.25A
- TRMS measurements when connected to a TRMS instrument
- No core saturation or damage if overloaded
- Overrange LED for measurement circuitry
- 20kHz frequency response
- Low phase shift for power measurements
- Insensitive to DC, measures only AC component on DC + AC signals
- Excellent linearity
- 9V Alkaline battery, provides typical 150 hours of continuous operation
- EN 61010; 1000V CAT III; 600V CAT IV

#### ► SPECIFICATIONS

MODELS	MF 300-6-2-10	MF 3000-10-2-1
<b>ELECTRICAL</b>		
Range	30/300A	300/3000A
Signal Output	100mV/10mV/A	10mV/1mV/A
Frequency Range	10 to 20kHz with current derating	
Influence of Conductor Positioning	1.5% typical, 3% max	
Influence of Conductor Positioning in Sensor Against Handle	4% typical, 5% max	
External Conductor Influence	35dB to 40dB on contact	
Power Source	9V Alkaline battery (included)	
<b>MECHANICAL</b>		
Sensor Diameter	5mm Ø (vs 12.5 for AmpFlex®)	
Sensor Length	6" (152mm)	10" (250mm)
Max Conductor Size	1.77" (45mm)	2.95" (74.9mm)
Connection Cable Length	6.5 ft (2m)	
Drop Test	Per IEC 68-2-32	
Vibration	Per IEC 68-2-6	
Mechanical Shock	Per IEC 68-2-27	
<b>ENVIRONMENTAL</b>		
Operating Temperature Range	14° to 131°F (10° to +55°C)	
Storage Temperature Range	-40° to 158°F (-40° to +70°C)	
Altitude	Operating: 0 to 2000m, working voltage derating above; Non-operating: 0 to 12,000m	
<b>SAFETY</b>		
Safety Rating	EN 61010, 1000V CAT III; 600V CAT IV; Pollution Degree II	

CATALOG NO.	DESCRIPTION	PRICE	NIST CALIBRATION
2126.81	MiniFlex® Model MF 300-6-2-10	\$369.00	\$67.00
2126.82	MiniFlex® Model MF 3000-10-2-1	\$389.00	\$67.00
<b>Accessories (Optional)</b>			
2119.94	Adapter – BNC (Female) to 4mm Banana (Male)	\$ 13.50	–



# 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	\$349.00
1000-24-1-1	1000A	1mV/A	24 (610)	8 (190)	2112.39	\$359.00
1000-24-2-1	100/1000A	10/1mV/A	24 (610)	8 (190)	2112.98	\$369.00
1000-36-2-1	100/1000A	10/1mV/A	36 (910)	11 (290)	2113.00	\$399.00
3000-24-2-0.3	300/3000A	3.3/0.3mV/A	24 (610)	8 (190)	2114.87	\$409.00
3000-24-1-1	3000A	1mV/A	24 (610)	8 (190)	2112.46	\$379.00
3000-36-1-1	3000A	1mV/A	36 (910)	11 (290)	2112.48	\$409.00
3000-24-2-1	300/3000A	10/1mV/A	24 (610)	8 (190)	2113.05	\$389.00
3000-36-2-1	300/3000A	10/1mV/A	36 (910)	11 (290)	2112.00	\$419.00
3000-48-2-1	300/3000A	10/1mV/A	48 (1220)	15 (390)	2112.01	\$459.00
6000-36-2-0.1	600/6000A	1/0.1mV/A	36 (910)	11 (290)	2113.21	\$519.00
30000-24-2-0.1	3000/30,000A	1/0.1mV/A	24 (610)	8 (190)	2113.33	\$689.00

\*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 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 <math><1.3^\circ</math>, <math>0.7^\circ</math> 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	PRICE	NIST CALIBRATION
2120.81	FlexProbe® Model 24-3001 (300/3000Aac, 24", 10mV/A/1mV/A, Lead)	\$349.00	\$61.00
<b>Accessories (Optional)</b>			
2118.46	Adapter – Banana (Female) – BNC (Male) (XM-BB)	\$ 42.75	–



### MR400 & MR500 Series



**AC/DC current probes designed to extend current measuring capabilities of DMMs, oscilloscopes and other instruments**



#### ► FEATURES

- MR400 Series has a measurement range of 400AAC/600ADC
- MR500 Series has a measurement range of 1000AAC/1500ADC
- Two distinct jaw shapes to be used for hooking or prying around the conductor
- Low phase shift for power measurements
- Designed for DMMs, recorders, oscilloscopes, power and harmonic meters
- EN 61010, 600V CAT III, 300V CAT IV, Pollution Degree 2

#### ► SPECIFICATIONS

MODELS	MR411	MR521
<b>Measurement Range AC</b>	0.5 to 40A 0.5 to 400A	0.5 to 100A 0.5 to 1000A
<b>Measurement Range DC</b>	0.5 to 60A 0.5 to 600A	0.5 to 150A 0.5 to 1500A
<b>Output Signal Voltage (mV)</b> <small>(AC in AC, DC in DC)</small>	10mV/A 1mV/A	10mV/A 1mV/A
<b>Maximum Conductor Size &amp; Cable</b>	One 1.18" (30mm) Two 0.95" (24mm) Two x 500kcmil	One 1.5" (39mm) Two 0.98" (25mm)
<b>Bus Bar</b>	Two 1.2 x 0.4" (31.5 x 10mm)	Two 1.96 x 0.19" (50 x 5mm)
<b>Output Connection</b>	Lead with safety banana plug	Lead with safety banana plug
<b>Power Source</b>	One 9V Alkaline battery (included)	

### Models K100 & K110



Model K100

**Very small and compact, our microprobes are designed for accurate measurements of very low currents with 50µA<sub>dc</sub> sensitivity**



#### ► FEATURES

- Measures extremely low level DC from 100µA
- Outputs signal proportional to total current (DC + AC)
- Low noise
- Ultra-compact size and non-contact clamp-on convenience
- Simple plug-in operation
- Designed for use with digital multimeters and oscilloscopes
- 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

#### ► SPECIFICATIONS

MODELS	K100	K110
<b>Current Range</b>	0 to ± 4.5A <sub>dc</sub> 0 to 3Arms	0 to ± 450mA <sub>dc</sub> 0 to 300mA <sub>rms</sub>
<b>Output (Vout)</b>	1mV/mA	10mV/mA
<b>Resolution</b>	DC: 50µA typical, AC: 100µA typical	DC: 50µA typical, AC: 100µA typical
<b>Accuracy</b>	DC: ±1% of Reading ± 200µA, AC: ±2% of Reading, ± 200µA	DC: ±0.5% of Reading ± 150µA, AC: ±0.8% of Reading, ± 200µA
<b>Output Noise</b>	<100µV, DC to 3kHz	<100µV, DC to 3kHz
<b>Frequency Response</b>	DC to 2kHz (@ -3dB sine)	DC to 1.5kHz (@ -3dB sine)
<b>Power Source</b>	One 9V Alkaline battery (included)	
<b>Battery Life</b>	20 hours	

CATALOG NO.	DESCRIPTION	PRICE	NIST CALIBRATION
1200.68	AC/DC Current Probe Model MR411 (10mV/A – 60A max & 1mV/A – 600A max, Lead)	\$379.00	\$65.00
1200.69	AC/DC Current Probe Model MR521 (10mV/A – 150A max & 1mV/A 1500A – max, Lead)	\$409.00	\$65.00
1200.67	DC/AC MicroProbe Model K100 (1mV/mA – 4.5A max)	\$679.00	\$65.00
2111.73	DC/AC MicroProbe Model K110 (10mV/mA – 450mA max)	\$699.00	\$65.00