

AmpFlex[®] Flexible Sensors



The AmpFlex[®] is an AC current sensor composed of a flexible Rogowski coil and an electronic module. The sensor permits measurements on conductors where standard clamp-on probes cannot be used. In particular, it can be installed in tight spaces, around cable bundles, around wide or large bus bars, or even wrapped around irregular shapes. Models range from 30 to 30,000Arms with an accuracy of 1% of reading. Rated EN 61010, 600V CAT IV, 1000V CAT III.

NOTE: AmpFlex ranges/lengths can be customized as special orders. Contact customer service for price and lead-time.

Model # 300-24-2-10 (Cat. #2112.88)			
Maximum Conductor Size	8" (190mm)	Current Range	30 and 300Arms AC
Measurement Range	5 to 300A	Output Signal	100mV/A and 10mV/A
Accuracy	1% ± 200mA	Phase at 50Hz	1.3°
Model # 1000-24-1-1 (Cat. # 2112.39)			
Maximum Conductor Size	8" (190mm)	Current Range	1000Arms AC
Measurement Range	5 to 1000A	Output Signal	100mV/A and 10mV/A
Accuracy	1% ± 200mA	Phase at 50Hz	0.7°
Model # 1000-24-2-1 (Cat. # 2112.98)			
Maximum Conductor Size	8" (190mm)	Current Range	100 and 1000A rms AC
Measurement Range	5 to 1000A	Output Signal	10mV/A and 1mV/A
Accuracy	1% ± 200mA	Phase at 50Hz	0.7°
Model # 1000-36-2-1 (Cat. # 2113.00)			
Maximum Conductor Size	11" (290mm)	Current Range	100 and 1000Arms AC
Measurement Range	5 to 1000A	Output Signal	10mV/A and 1mV/A
Accuracy	1% ± 200mA	Phase at 50Hz	0.5°
Model # 3000-24-1-1 (Cat. # 2112.46)			
Maximum Conductor Size	8" (190mm)	Current Range	3000A rms AC
Measurement Range	5 to 3000A	Output Signal	1mV/A
Accuracy	1% ± 200mA	Phase at 50Hz	0.7°
Model # 3000-24-2-1 (Cat. # 2113.05)			
Maximum Conductor Size	8" (190mm)	Current Range	300 and 3000A rms AC
Measurement Range	5 to 3000A	Output Signal	10mV/A and 1mV/A

For more details, download the datasheet or user manual at www.aemc.com

Accuracy	1% ± 200mA	Phase at 50Hz	0.5°
Model # 3000-36-1-1 (Cat. # 2112.48)			
Maximum Conductor Size	1" (290mm)	Current Range	3000Arms AC
Measurement Range	5 to 3000A	Output Signal	1mV/A
Accuracy	1% ± 200mA	Phase at 50Hz	0.5°
Model # 3000-36-2-1 (Cat. # 2112.00)			
Maximum Conductor Size	11" (290mm)	Current Range	300 and 3000Arms AC
Measurement Range	5 to 3000A	Output Signal	10mV/A and 1mV/A
Accuracy	1% ± 200mA	Phase at 50Hz	0.5°
Model # 3000-48-2-1 (Cat. # 2112.01)			
Maximum Conductor Size	15" (390mm)	Current Range	300 and 3000Arms AC
Measurement Range	5 to 3000A	Output Signal	10mV/A and 1mV/A
Accuracy	1% ± 200mA	Phase at 50Hz	0.5°
Model # 6000-36-2-1 (Cat. # 2113.21)			
Maximum Conductor Size	11" (290mm)	Current Range	600 and 6000Arms AC
Measurement Range	5 to 6000A	Output Signal	1mV/A and 0.1mV/A
Accuracy	1% ± 500mA	Phase at 50Hz	0.5°
Model # 30000-24-2-0.1 (Cat. # 2113.33)			
Maximum Conductor Size	8" (190mm)	Current Range	3000 and 30000Arms AC
Measurement Range	5 to 30000A	Output Signal	1mV/A and 0.1mV/A
Accuracy	1% ± 1A	Phase at 50Hz	0.5°

General Specifications


Frequency Range	10Hz to 20KHz
Battery Type	9V Alkaline, Type LF22
Battery Life	>150 hours continuous
Operating Temperature	14° to +131°F (-10° to +55°C)
Storage Temperature	-40° to +158°F (-40° to +70°C)
Operating Humidity	90% up to 104°F (40°C),
Ampflex® Sensor	The flexible sensor can withstand a temperature of 194°F (90°C) and is resistant to oil and Aliphatic hydrocarbons
Cable Length (Module to Sensor)	6.5ft (2m)
Battery Indicator	Green LED blink when battery needs replacement
Overload	Red LED ON when output around >4.5V
Dimensions (H x W x D)	Module: 4.9 x 2.5 x 1.1" (124 x 64 x 28mm)

For more details, download the datasheet or user manual at www.aemc.com



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Weight with 24" (610mm) Sensor	0.74 lb (336g)	
Pollution Degree	2	
Ingress Protection (IP)	IP65 sensor and IP40 electronic module	
EMC	EN 61326-1	
Safety Compliance	EN/IEC 61010-1 600V CAT IV, 1000V CAT III EN/IEC 61010-032:2002	

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