



MiniFlex® 14" Model MA114

Cat. #2153.41

3A/3V, 30A/3V, 300A/3V, 3000A/3V

Flexible 14" AC current sensor which permits measurements on conductors where standard clamp-on probes cannot be used. Not effected by magnetic saturation, provides excellent linearity, and low phase shift.

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Maximum Conductor Size	4" (10cm)
Current Range	3 A, 30 A, 300 A, and 3000 Arms AC
Measurement Range	0.5 to 3000 A
Output Signal	1 V/A, 100 mV/A, 10 mV/A, and 1 mV/A
Accuracy	±(1% + 40mV)
Phase at 50Hz/60Hz	≤1.5°
Output Cable	19.7" (0.5m) leads with 4 mm safety banana plug Black and Red
Frequency Range	10 Hz to 10 kHz on the 3000 A range and 10Hz to 20kHz on the 3 A, 30A and 300 A ranges
Battery Type	2 x 1.5 V AA/LR6 batteries
Battery Life	300 hours typical, 1,800 10 minutes test
External Power	The MA114 can be powered by a standard power adapter (5 V _{DC} , 100 mA) with a type B micro-USB conector.
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 ft (1.83m)
Battery Indicator	yes
Dimensions (H x W x D)	Module: 4.72 x 2.28 x 1.42 " (120 x 58 x 36 mm)
Weight	10.5 oz (300g)
Operating Temperature	14° to +131°F (-10° to +55°C)
Storage Temperature (without battery)	-40° to +176°F (-40° to +80°C)
Operating Humidity	80% up to 50°F (122°C)

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

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Pollution Degree	2
Ingress Protection (IP)	Case IP54, Sensor IP67
EMC	EN 61326-1
Safety Compliance	EN/IEC 61010-1 600 V CAT IV, 1000 V CAT III EN/IEC 61010-032:2002



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