



CURRENT ENERGY MONITOR HARDWARE SPECIFICATIONS

HARDWARE SPECIFICATIONS

Please contact [Aztech](#) or your distributor and we will help you choose the right product for your needs.

	Wired	Wireless
Module Power Supply Voltage	5V DC input	
Module Power Supply Current	0 to 0.3A	
Operating Conditions	0 to 50°C (32 to 122°F) 80% relative humidity	
Storage Conditions	-20 to 70°C (-4 to 158°F) 80% relative humidity	
Module Dimensions (W x H x D)	77 x 75 x 25 mm (3 x 3 x 1 in)	
Parts Included	1 Combo Module (up to) 3 Current Sensors 1 10ft Ethernet Cable 1 Power Adapter	1 Gateway Module 1 Sensor Module (up to) 3 Current Sensors 1 3ft Ethernet Cable 2 Power Adapters
Weight [approximate]	600g (21oz)	960g (34oz)
Wireless Link	NA	2.405 to 2.480 GHz
Wireless Range	NA	300m (1000ft) <i>Typical</i>

SENSOR SPECIFICATIONS

Sensor	Input	Output	Accuracy	Opening		Cable Length
200A Current (max 600V ² – EB*)	0 to 200A AC 50-60Hz	0 to 7.5V AC	±1% Typical ¹	25.40 mm (1.000 in)		1800 mm (72 in)
The following are available as substitution parts in Aztech Business (EB*) kits (at additional cost)						
600A Current (max 600V – EB*)	0 to 600A AC 50-60Hz	0 to 7.5V AC	±1% Typical ¹	31.75 mm (1.25 in. sq.)		2400 mm (96 in)
1200A Current (max 600V – EB*)	0 to 1200A AC 50-60Hz			50.80 mm (2.0 in. sq.)		
3000A Current (max 600V – EB*)	0 to 3000A AC 50-60Hz	0 to 5.0V AC		127.00 mm x 76.20 mm (5.0 x 3.0 in)		

¹Accuracy noted is for sensor readings at 10% to 90% of rated current. Instantaneous power and power consumption measurements combine sensor measurements with a constant voltage value (defined by user – defaults to 120V). This product also requires a continuous internet connection.

²Ensure the signal cable is clearly marked with the appropriate 600V rating prior to installation in applications where the voltage exceeds 300V AC.

COMPLIANCE

CISPR 11:2009 +A1:2010 / EN 55011:2009 +A1:2010, Class A, Group 1 – Industrial, Scientific and Medical This product has been tested and found in compliance to: Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements UL 61010-1 Second Edition, Dated July 12, 2004 (Updated October 28, 2008); Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements CAN/CSA-C22.2 No. 61010-1 Second Edition (IEC 61010-1:2001, Mod), Dated July 12, 2004 (Updated October 28, 2008); Industry Canada ICES=003, Issue 4 – Interference-Causing Equipment Standard – Digital Apparatus; EN 61326-1:2006 – Electrical Equipment for Measurement, Control and Laboratory Use – EMC Requirements, Part 1: General Requirements; European (ISM) Equipment; Federal Communications Commission (FCC) CFR 47, Part 15, Subpart B - Class A Unintentional Radiators. This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.