



HOBO Self-Describing Split-Core AC Current Transformer Sensor

Product Images



Short Description

For use with HOBO MX1104 and MX1105 multi-channel data loggers, this split-core AC current transformer offers integrated strain relief, so the probe is secured to the logger. And it features Self-Describing technology to automatically communicate configuration information to the logger, without any programming or extensive user setup.


Description

For use with HOBO [MX1104](#) and [MX1105](#) multi-channel wireless data loggers; this split-core AC current transformer offers integrated strain relief, so the probe remains secured to the logger. And it features Self-Describing technology to automatically communicate configuration information to the logger, without any programming or extensive user setup.

Key Features

- Self-Describing technology for quick, easy setup
- Locking jack to ensure sensor is connected and stays connected
- Available in 5 ranges: 2-20, 5-50, 10-100, 20-200, 60-600
- Accuracy of $\pm 2.1\%$ of full scale from 10% to 100%
- AC current, sine wave, single-phase 50 Hz or 60 Hz, load power factor 0.5 to 1.0 lead or lag
- Cable length: 1.8 m (6 ft)
- UL Listed
- Data can be remotely accessed via the web, if the MX1104/MX1105 data logger is combined with an [MX Gateway](#).

Additional Information

Country of Manufacture	United States						
Explanation	Current Range	see table					
	Accuracy	±2.1% of full scale (includes logger accuracy)					
	Response Time	see table					
	Input Current	AC current, sine wave, single-phase 50 Hz or 60 Hz, load power factor 0.5 to 1.0 lead or lag					
	Output	0-2.5 V DC					
	Voltage Rating	600 V AC					
	Temperature Rating	see table					
	Construction	Molded plastic housing for indoor use per UL508					
	Cable	1.8 m (6 ft.)					
	Window Size	see table					
	Dimensions	see table					
		The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).					
	Part No.	Current Range (Amps AC)	Response Time (milliseconds) (from 10% to 90% of Amplitude)	Dimensions			
				Window Size	Outer Length	Outer Width	Height
	SD-CT-020	2-20	440	28 x 20 mm (1.1 x 0.8 in.)	79mm (3.1 in.)	71mm (2.8 in.)	36mm (1.4 in.)
	SD-CT-050	5-50	200	28 x 20 mm (1.1 x 0.8 in.)	79mm (3.1 in.)	71mm (2.8 in.)	36mm (1.4 in.)
	SD-CT-100	10-100	100	28 x 20 mm (1.1 x 0.8 in.)	79mm (3.1 in.)	71mm (2.8 in.)	36mm (1.4 in.)
	SD-CT-200	20-200	450	39 x 32 mm (1.54 x 1.26 in.)	100mm (3.92 in.)	120mm (4.72 in.)	29mm (1.14 in.)
	SD-CT-600	60-600	490	74 x 62 mm (2.92 x 2.46 in.)	135mm (5.3 in.)	150mm (5.91 in.)	28mm (1.12 in.)
Brand	Onset HOBO						
Connector Type	Locking jack to ensure sensor is connected and stay connected						
Typical applications	Building Monitoring, Building Performance						
Measurements	Current AC						
Compatible With	HOBO MX1104 & MX1105 Wireless Analogue Multi-channel Data Loggers						

Additional Options

Current Range (Amps AC)	2-20 (SKU: SD-CT-020)
	5-50 (SKU: SD-CT-050)
	10-100 (SKU: SD-CT-100)
	20-200 (SKU: SD-CT-200)
	60-600 (SKU: SD-CT-600)