



CTV-B Sensor

5-50 Amp split-core AC current Sensor

A split-core AC current sensor responsive over the range of 5 to 50 amps AC for use with U12, UX120, and ZW data loggers with external input channels. With an input current of AC current, sine wave, single phase 50 Hz or 60 Hz, load power factor 0.5 to 1.0 lead or lag.

The molded-plastic housing is rated for indoor use per UL508.

Supported Measurements:

AC Current

Key Advantages:

- UL listed
- Sensor power induced from line voltage
- Self-gripping split-core design for fast installation



CTV-B Sensor Specifications

Range: 5-50 Amps

Accuracy with H8: $\pm 5.0\%$ of full scale

Accuracy with U12: $\pm 4.5\%$ of full scale

Accuracy with UX120-006M: $\pm 2.1\%$ of full scale

Response time (from 10% to 90% of amplitude): 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

Voltage rating: 600 VAC

Construction and operating environment: Molded plastic housing for indoor use per UL508; pivoting leg (leg on CTV-D and CTV-E units is fully removable); UL listed.

Cable length: 1.8m cable (6 foot)

Dimensions: see table

Part No.	Range (Amps AC)	Approximate Response Time (milliseconds)	Dimensions			
			Window	Outer Length	Outer Width	Height
CTV-A	2-20	440	2.8 cm x 2.3 cm 1.1 in. x 0.9 in.	7.4 cm 2.9 in	6.6 cm 2.6 in	2.5 cm 1.0 in
CTV-B	5-50	200	2.8 cm x 2.3 cm 1.1 in. x 0.9 in	7.4 cm 2.9 in	6.6 cm 2.6 in	2.5 cm 1.0 in
CTV-C	10-100	100	2.8 cm x 2.3 cm 1.1 in. x 0.9 in	7.4 cm 2.9 in	6.6 cm 2.6 in	2.5 cm 1.0 in
CTV-D	20-200	450	3.8 cm x 3.3 cm 1.5 in. x 1.3 in	9.9 cm 3.9 in	11.9 cm 4.7 in	2.8 cm 1.1 in
CTV-E	60-600	490	7.4 cm x 6.4 cm 2.9 in. x 2.5 in	13.5 cm 5.3 in	15.0 cm 5.9 in	2.8 cm 1.1 in

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

► Email sales@onsetcomp.com

► Call 1-508-759-9500

► In U.S. toll free 1-800-564-4377

► Fax 1-508-759-9100

Technical Support (8am to 8pm ET, Monday through Friday)

► Contact Product Support www.onsetcomp.com/support/contact

► Call 1-508-759-9500

► In U.S. toll free 1-877-564-4377

Onset Computer Corporation

470 MacArthur Boulevard

Bourne, MA 02532