



HOBO[®] CTV-x Sensor

Split-core AC current Sensor

A split-core sensor to record AC amperage, for use with HOBO U12, UX120-006M, MX1100, and ZW series external-channel data logger. With an input of AC current, sine wave, single phase 50 Hz or 60 Hz, load power factor 0.5 to 1.0 lead or lag.



Key Advantages:

- UL listed
- Sensor power induced from line voltage
- Self-gripping split-core design for fast installation
- Available in 5 ranges - 20, 50, 100, 200 & 600 Amps

HOBO CTV-x Sensor Specifications

Range: 2 to 20, 5 to 50, 10 to 100, 20 to 200, 60 to 600 Amps

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

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

Accuracy with UX120-006M, MX1104 and MX1105: $\pm 2.1\%$ 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