



# HOBO CTV 2-20 Amp AC Split-Core Current Sensor Transformer

## Product Images



## Short Description

A split-core sensor to record AC amperage of 2 to 20 amps AC. For use with Onset HOBO external-channel data loggers.

Input AC current, sine wave, single phase 50 to 60 Hz, load power factor 0.5 to 1.0 lead or lag.

## Description

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### Key Features

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

## Additional Information

Country of Manufacture	United States																																																
Explanation	<p>The country of origin for this product is the United States.  <b>Range:</b> 2 to 20 Amps  <b>Accuracy with H8:</b> ±5.0% of full scale  <b>Accuracy with U12:</b> ±4.5% of full scale  <b>Accuracy with UX120-006M, MX1104 and MX1105:</b> ±2.1% of full scale  <b>Response time (from 10% to 90% of amplitude):</b> see table  <b>Input current:</b> AC current, sine wave, single phase 50 Hz or 60 Hz, load power factor 0.5 to 1.0 lead or lag  <b>Voltage rating:</b> 600 VAC  <b>Construction and operating environment:</b> Molded plastic housing for indoor use per UL508; pivoting leg (leg on CTV-D and CTV-E units is fully removable); UL listed.  <b>Cable length:</b> 1.8m cable (6 foot)  <b>Dimensions:</b> see table</p> <table border="1"> <thead> <tr> <th>Part No.</th> <th>Range (Amps AC)</th> <th>Approximate Response Time (milliseconds)</th> <th>Dimensions Window</th> <th>Outer Length</th> <th>Outer Width</th> <th>Height</th> </tr> </thead> <tbody> <tr> <td>CTV-A</td> <td>2-20</td> <td>440</td> <td>2.8 cm x 2.3 cm 1.1 in. x 0.9 in.</td> <td>7.4 cm 2.9 in</td> <td>6.6 cm 2.6 in</td> <td>2.5 cm 1.0 in</td> </tr> <tr> <td>CTV-B</td> <td>5-50</td> <td>200</td> <td>2.8 cm x 2.3 cm 1.1 in. x 0.9 in.</td> <td>7.4 cm 2.9 in</td> <td>6.6 cm 2.6 in</td> <td>2.5 cm 1.0 in</td> </tr> <tr> <td>CTV-C</td> <td>10-100</td> <td>100</td> <td>2.8 cm x 2.3 cm 1.1 in. x 0.9 in.</td> <td>7.4 cm 2.9 in</td> <td>6.6 cm 2.6 in</td> <td>2.5 cm 1.0 in</td> </tr> <tr> <td>CTV-D</td> <td>20-200</td> <td>450</td> <td>3.8 cm x 3.3 cm 1.5 in. x 1.3 in.</td> <td>9.9 cm 3.9 in</td> <td>11.9 cm 4.7 in</td> <td>2.8 cm 1.1 in</td> </tr> <tr> <td>CTV-E</td> <td>60-600</td> <td>490</td> <td>7.4 cm x 6.4 cm 2.9 in. x 2.5 in.</td> <td>13.5 cm 5.3 in</td> <td>15.0 cm 5.9 in</td> <td>2.8 cm 1.1 in</td> </tr> </tbody> </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
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Ideal For	Professional																																																
Brand	Onset HOBO																																																
Housing	Split-Core																																																
Range	2 - 20 AAC																																																
Typical Application	Analogue Current Sensor																																																
Typical applications	Energy, Environmental (Indoor)																																																
Measurements	Current AC																																																
Compatible With	For use with HOBO U12, UX120-006M, MX1100, and ZW series external-channel data logger																																																