



CTV-x Sensor

Split-core AC current Sensor

A split-core AC current sensor records AC amperage for use with U12 Series, UX120-006M and ZW Series of 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
- Available in 5 ranges - 20, 50, 100, 200 & 600 Amps



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: $\pm 2.1\%$ 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

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