

# Current Transformer

*Measure 30, 60, or 120 amps*

## Clamps Around Existing Cable

Current transformers clamp around a single current-carrying wire and transform the amperage into a 0 to 5 VDC signal suitable for input into the I/O ports of a CM-2.

Each CM-2 unit contains a three-port I/O connector, called the "C123C" port. Up to three individual current transformers can be attached to this port. If more are required, a CCAT serial bus interface can be added. Up to 16 CCATs can be added to the serial bus.

The current transformer uses swing-open jaws to clamp around a current carrying wire. Note that a single wire is necessary for current measurement. If two wires are placed in the transformer, their magnetic fields will cancel each other and the current measurement will not be accurate.

## Self-Powered, Linear Output

The transformer is manufactured by Flex-Core and further specifications are at: <http://www.flex-core.com>.

No power supply required; the transformer is parasitically powered from the line current.

The sensors connect to the CM-2 with 24 AWG solid copper wire. Runs of over 100 feet can be used.

The output is linear. Note that the current values displayed are 0 - 100 in the CM-2. If a CCAT interface is used, a current range can be specified.

## Specifications

Amperage range: 30, 60, 120 amp, ac  
 Output: 0 - 5 VDC  
 Accuracy: +/- 2% from 10% to 100% full scale  
 Response time: 2 seconds  
 Size: 2.9" L x 2.58" W x 1.04" H  
 Wire opening: 1.1" L x .9" W  
 Approvals: UL listed E150462  
 Model Number: H922

## Cable Length

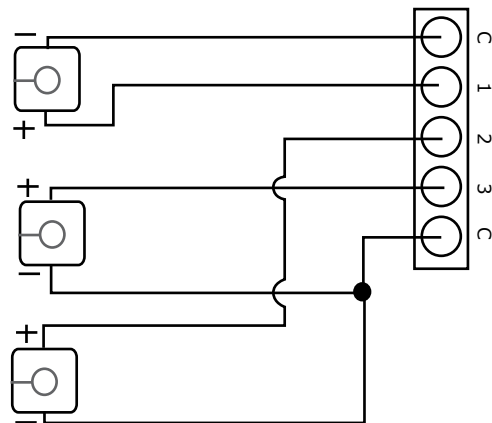
Cable runs of 100' and over are common. Use 22 or 24 AWG solid wire for easy insertion into the C123C I/O ports.

**Model Number:** CT-30/60/120  
 Includes 15' of cable



*A current transformer with switch selectable 30, 60, or 120 amp settings.*

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*Connect the sensors to the C123C block. Note polarity on current transformers.*



*The jaws swing open and a wire can be inserted.*