

CS10 and CS15 Current Transformer



Campbell Scientific's CS10 and CS15 detect and measure the ac current along an electrical wire using the magnetic field that is generated by that current. The sensor is external to the wire jacket and has no direct electrical connection to the system. The sensors output a millivolt signal allowing them to be directly connected to our dataloggers.

The CS10 is compatible with our CR800, CR850, CR1000, CR3000, CR510, CR10(X), and CR23X dataloggers. It uses CR Magnetic's CR8459 Current Transformer to measure the approximate current over a range of 0.15 A to 200 A.

The CS15 was developed specifically for our CR200-series dataloggers. It is a modified version of the CS10 that measures the approximate current over a range of 0.15 A to 125 A.

Both the CS10 and CS15 are recommended for measurements that do not require high accuracy.

Ideal applications include motor or generator load conditions, efficiency studies, intermittent fault detection, and rough submetering.

Ordering Information

CS10 CR Magnetics Current Transformer with standard lead length 1.6 m.

CS15 CR Magnetics Current Transformer for CR200-series. Has standard lead length 1.6 m.

Specifications

Measurement Range

CS10: 0.15 to 200 A

CS15: 0.15 to 125 A

Frequency:

50 Hz and 60 Hz

Insulation Resistance:

100 M ohm @ 500 Vdc

High Potential:

2000 V

Rated Current

CS10: 200 A

CS15: 125 A

Operating

Temperature:

-25° to +55°C

Case Material:

Polypropylene resin

Construction:

Epoxy encapsulated

Accuracy w/10 ohm

burden max.

(resistive):

typically $\pm 5\%$ of actual value with provided multiplier

*Campbell Scientific products are
available from:*