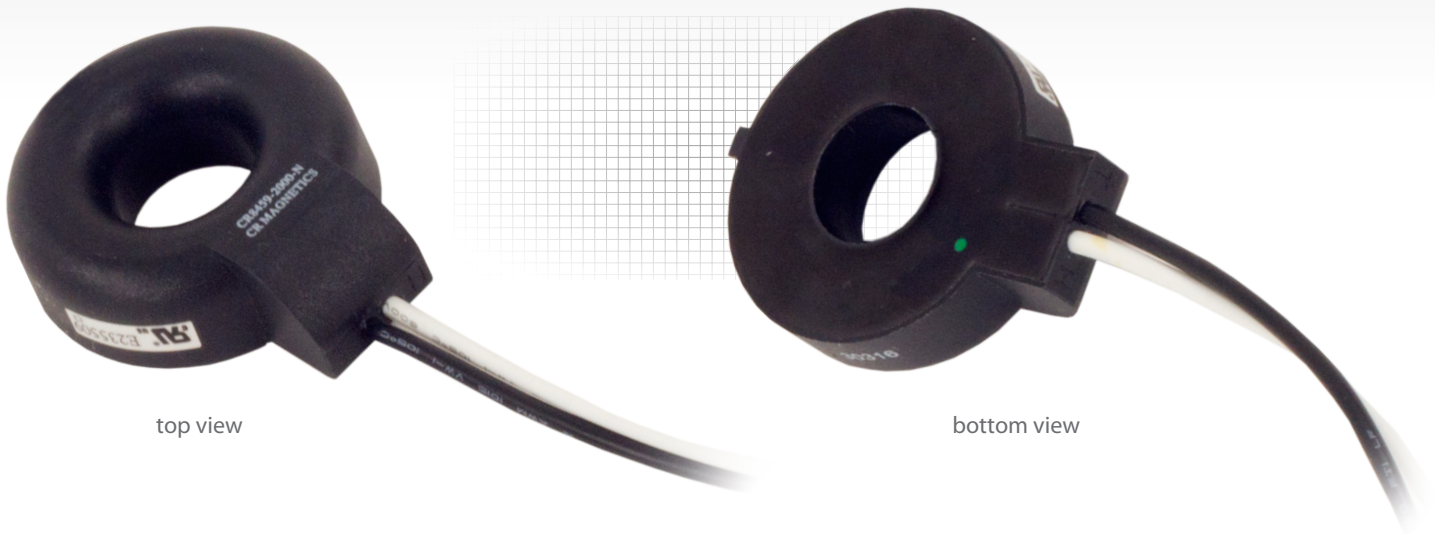
CAMPBELL SCIENTIFIC
WHEN MEASUREMENTS MATTER

CS11

AC Current Sensor



top view

bottom view

Overview

Campbell Scientific's CS11 detects and measures the ac current along an electrical wire using the magnetic field that is generated by that current. The sensor outputs a millivolt signal allowing it to be directly connected to our dataloggers.

Benefits and Features

- Ideal applications include motor or generator load conditions, efficiency studies, intermittent fault detection, and rough submetering
- Sensor is external to the wire jacket and has no direct electrical connection to the system

Ordering Information

AC Current Sensors

CS11-L CR Magnetics Current Transformer with a user-specified cable length; enter the cable length (in feet) after the -L. Recommended cable length is 5 ft (1.6 m). Must choose a cable termination option (see below).

Cable Termination Options (choose one)

-PT Cable terminates in stripped and tinned leads for direct connection to a datalogger's terminals.

-PW Cable terminates in connector for attachment to a prewired enclosure.

Specifications

- Measurement Range: 0.15 to 200 A (0.15 to 125 A for CR200X)
- Frequency: 50 and 60 Hz
- Insulation Resistance: 100 MΩ @ 500 Vdc
- High Potential: 2000 V
- Rated Current: 200 A, 125 A (CR200X)
- Temperature
  Storage: –25° to 70°C
  Operating: –25° to 55°C
- Accuracy with 10 Ω Maximum Burden (resistive): typically ±1% of actual value with provided multiplier
- Case Material: Polypropylene resin
- Construction: Epoxy encapsulated
- Outer Diameter: 4.8 cm (1.89 in)
- Inner Diameter: 1.9 cm (0.75 in)
- Height: 1.7 cm (0.67 in)
- Multiplier: i^{Mult} = 200 A / 1000 mV = 0.2

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