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

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: iMult = 200 A / 1000 mV = 0.2

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.