



The MCS-CT800 Specifications & Description

Product Specifications

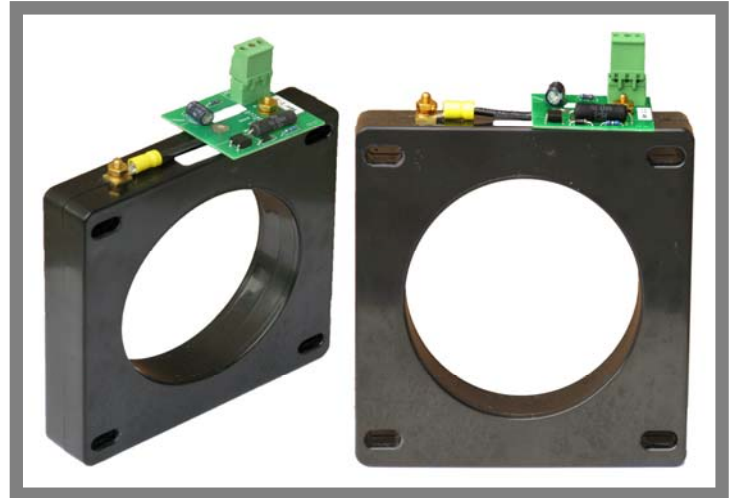
Dimensions:

Height6.69"
 Width6.00"
 Depth2.15"
 Wire Hole4.25"

MCS-CT800

Amperage Rating61.6-800A
 Accuracy± 16 amps
 Sensor Output Voltage .0-5vdc
 Supply VoltageInduced

Operating Temperature -40°F to +175°F (-40°C to +80°C)
 Storage Temperature -40°F to +175°F (-40°C to +80°C)



Product Description

MCS-CT800 current sensor monitors current flowing to electrical equipment. The magnitude of the current is converted to a linear (0-5vdc) output signal which can be read as a standard analog input signal. The signal is used by MCS micro controllers for the following:

- 1 For slide valve positioning on screw machines
- 2 For high amp motor overload protection
- 3 For verification of device on / off

The MCS-CT series are the solid-core version, where the conductor runs through the sensor. No cutting, taping or rerouting is required. The current sensors are accurate, reliable, easy to install and require no service.

The MCS-CT800 has an accuracy of ± 16 in the frequency range from 50-60Hz. The sensors output a 0-5vdc signal. The MCS-CT power is induced from the current being monitored.

On the printed circuit board a resistor is mounted across the CT terminals which eliminates danger from induced current. A removable three-position terminal block is provided for easy wiring.

Two-conductor shielded cable must be used. The shield must be cut at the amp sensor end and the shield must be tied to ground at the MCS micro controller terminal block.

Part # MCS-CT800

Amps	Volts DC
0	0
61.6	0.15
75	0.23
100	0.38
125	0.53
150	0.69
175	0.84
200	0.99
225	1.14
250	1.30
275	1.45
300	1.60
325	1.75
350	1.91
375	2.06
400	2.21

Amps	Volts DC
425	2.36
450	2.52
475	2.67
500	2.82
525	2.97
550	3.13
575	3.28
600	3.43
625	3.59
650	3.74
675	3.89
700	4.04
725	4.20
750	4.35
775	4.50
800	4.65