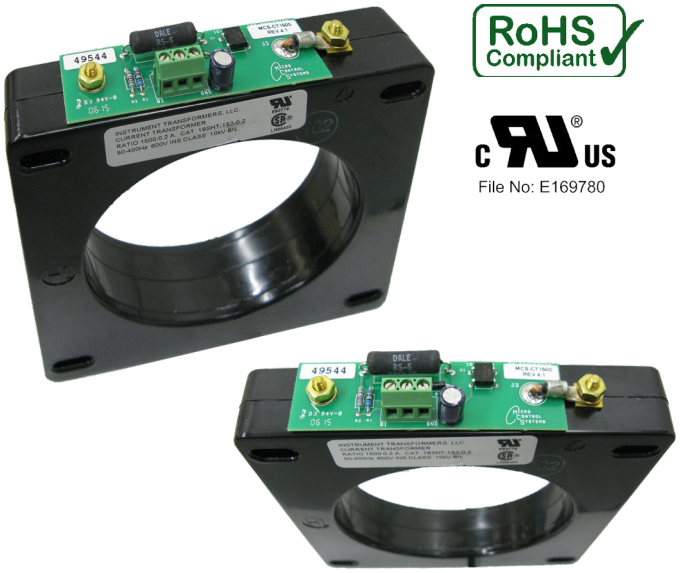
MCS-CT1500
Description & Specifications



RoHS Compliant

c UL us
File No: E169780

Part # **MCS-CT1500**

Description

MCS-CT1500 current sensors monitor 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-CT-1500 has an accuracy of ±15 amps 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 three-position soldered terminal block is provided for easy wiring. Installers will find this to be more secure in the field since all wires will be tightly secured to the soldered block by two screws (Ground & Shield plus Signal wire).

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.

Specifications

Dimensions:

Height ..... 6.69”
Width ..... 6.00”
Depth ..... 2.15”
Wire Hole ..... 4.25”

Amperage Rating ..... 117-1500A ±2% FS
Accuracy ..... ± 15 amps
Sensor Output Voltage ..... 0.15 to 4.50 vdc
Supply Voltage ..... Induced

Operating Temperature ..... -40°F to +176°F (-40°C to +80°C)
Storage Temperature ..... -40°F to +175°F (-40°C to +80°C)

Packaging

Ship Weight ..... 1.57 lb (approx)
Box Dimensions ..... 9.75” x 7” x 3” (approx)

Amps	Volts DC
0	0
117	0.15
150	0.25
190	0.38
230	0.50
270	0.63
310	0.75
350	0.88
390	1.01
430	1.13
470	1.26
510	1.38
550	1.51
590	1.64
630	1.76
670	1.89
710	2.01
750	2.14
790	2.27

Amps	Volts DC
830	2.39
870	2.52
910	2.64
950	2.77
990	2.90
1030	3.02
1070	3.15
1110	3.27
1150	3.40
1190	3.53
1230	3.65
1270	3.78
1310	3.90
1350	4.03
1390	4.16
1430	4.28
1470	4.41
1500	4.50

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