MCS-CT750
Description & Specifications

Part # **MCS-CT750**

Specifications

Dimensions:
Height .... 4.21"
Width .... 4.09"
Depth .... 2.07"
Wire Hole................................... 2.05"

MCS-CT750
Amperage Rating.......................... 43-750A
Accuracy.................................... ±7.5A
Sensor Output Voltage .... .08 — 4.55vdc
Supply Voltage............................ Induced

Operating Temperature...... -40°F to +185°F (-40°C to +85°C)
Storage Temperature......... -49°F to +194°F (-45°C to +90°C)

Packaging

Ship Weight .... 1.44 lb (approx)
Box Dimensions................ 6" x 5" 2.75" (approx)

Description

MCS-CT750 current sensors monitor current flowing to electrical equipment. The magnitude of the current is converted to a linear output voltage between 0.08 and 4.55vdc 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 control 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-CT750 has an accuracy of ± 7.5A in the frequency range from 50-60Hz. The sensors output voltage is in the range of 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.

Amps	Volts		Amps	Volts
43	0.08		410	2.38
45	0.09		430	2.51
50	0.12		450	2.64
70	0.24		470	2.76
90	0.34		490	2.89
110	0.46		510	3.02
130	0.59		530	3.15
150	0.72		550	3.27
170	0.85		570	3.40
190	0.98		590	3.53
210	1.10		610	3.66
230	1.23		620	3.72
250	1.36		630	3.79
270	1.49		650	3.91
290	1.61		670	4.04
310	1.74		690	4.17
330	1.87		700	4.23
350	2.00		710	4.30
370	2.12		730	4.42
390	2.25		750	4.55