

## SS-CS-65x Miniature Current Sensor

The CS-65X series of current sensors monitor line current for electrical loads such as pumps, conveyors, machine tools or fans and provide an output of 4-20 mA or 0-10 Vdc (Model specific) to represent the load current.

The CS-651 series require no external power supply as they are totally powered by induction from the AC line being monitored.

The CS-652 series is loop-powered and require an external 15-30 Vdc power supply.

### Features

- Solid Core
- Analogue 0..10Vdc or 4..20mA Output
- Up to 50 Amps Input Current
- Small Compact Design



Model Type	Model	Description
	<b>SS-CS-651-10</b>	Current Sensor, 0..10Vdc, 0..10Amp, Solid Core
	<b>SS-CS-651-20</b>	Current Sensor, 0..10Vdc, 0..20Amp, Solid Core
	<b>SS-CS-651-50</b>	Current Sensor, 0..10Vdc, 0..50Amp, Solid Core
	<b>SS-CS-652-10</b>	Current Sensor, 4..20mA, 0..10Amp, Solid Core
	<b>SS-CS-652-20</b>	Current Sensor, 4..20mA, 0..20Amp, Solid Core
	<b>SS-CS-652-50</b>	Current Sensor, 4..20mA, 0..50Amp, Solid Core

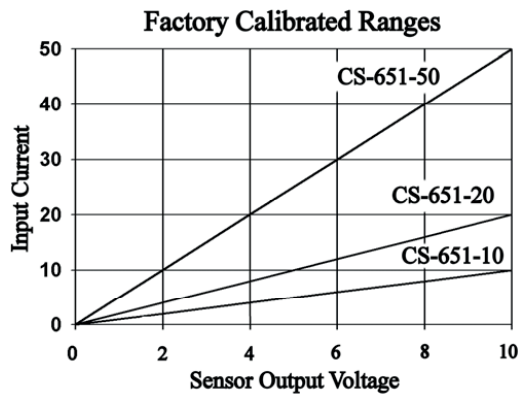
  

Technical Data	Measurement Range	10/20/50 Amps (Model Specific)
	Maximum Input Current	100 Amps Continuous
	Accuracy	+/-1% FSO
	Sensor Power	Self-Powered (CS-651 Series) 15..30Vdc, Loop Powered (CS-652 Series)
	Output Type	CS-651 Series: 0..10Vdc CS-652 Series: 4..20mA
	Output Load	1 MOhm Typical (CS-651 Series) 250 Ohm Typical (CS-652 Series)
	Loading Error	Add 1.2% Error with 100 kOhm (CS-651 Series)
	Frequency	50/60 Hz
	Response Time	<250 ms Typical (..90%)
	Insulation Class	600 Vac, insulated conductors
	Operating Temperature	-15 to 60°C
	Operating Humidity	5 to 90rH non-condensing
	Terminal Block	14 to 22 AWG
	Dimensions	52 x 48.5 x 20.3mm

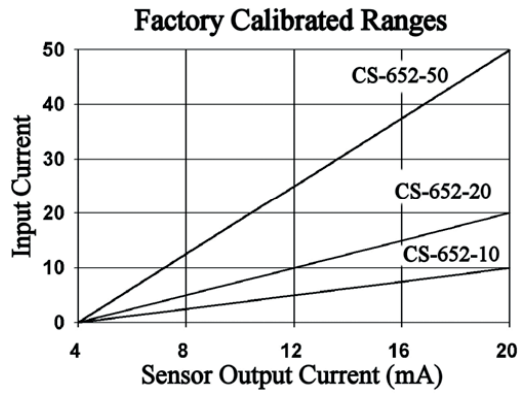
Sensor Aperture 11.4mm  
 Enclosure ABS/PC, UL94 V-0

**Sensor Output Curve**

SS-CS-651-xx range gives linear voltage output based on the input current. The diagram below illustrates the operation.



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**Dimensions**

