

<b>Document Number</b>		RG_SPEC-0020	
<b>Title</b>		Current Sensor	
<b>Revision</b>	<b>Date</b>	<b>Prepared By</b>	<b>Change History</b>
0.9	2/15/2012	Chris Brown	Initial beta.

This hall effect in-line current sensor will report the actual current flowing through its wires. It requires a 5v supply and outputs a 0-5v variable voltage based on the current. Senses current flow in both directions, and is available in many different ranges.

## Part # M CS-150-8

### Specifications:

Output: 0.0 - 5.9v  
Supply Voltage: 5.00 VDC  
Range: +/- 150 Amps  
Wire Size: 8 AWG Red

### Calibration:

Scale Factor: 0.0133v per Amp  
Zero offset: 2.5v @ 0 Amps

### Connection:

Flying leads  
Brown - 0v  
Green - Signal  
Orange - 5v

