

# CS2

## Dual output Current Sensor

This current sensor allows to measure bi-directional current in battery management system within a +/- 500A range. It provides 2 outputs for higher accuracy readings: one for the +/-500A range and the other for the +/-20A range.

No shunt resistor needed and fully electrically isolated. 5Vdc source is required.

The CS2 is provided with a 4 contact Deutsch connector.



CS2-S1 shown

### HIGHLIGHTS

- Wide primary current range ( $\pm 500A$ )
- 2 analog outputs for higher accuracy ( $\pm 500A$  and  $\pm 20A$ )
- Optional standoff adapter for easy integration on a disconnect switch terminal stud or on a electrical bus bar
- Open Loop transducer using the Hall Effect principle

### OVERALL DIMENSIONS

CS2: L 2,69" x H 1,85" x D 1,91"  
 CS2-S1: L 3,72" x H 2,12" x D 2,44"

### MODELS & FEATURES

Part Number	CS2	CS2-S1
<b>Range</b>	$\pm 500A$ $+/-20A$	$\pm 500A$ $+/-20A$
<b>Power Supply</b>	5V <sub>DC</sub>	5V <sub>DC</sub>
<b>Sensitivity Outputs (V). I<sub>p</sub>= current to read</b>	2.5 + 0.1 x I <sub>p</sub> ( $\pm 200A$ )	2.5 + 0.1 x I <sub>p</sub> ( $\pm 20A$ )
	2.5 + 0.004 x I <sub>p</sub> ( $\pm 500A$ )	2.5 + 0.004 x I <sub>p</sub> ( $\pm 500A$ )
<b>2 Analog Outputs</b>	X	X
<b>Stud holder included</b>	-	X
<b>Compatible with Transtech REG24H/D</b>	X	X

X = Included, - = Not included