

HIGH CURRENT PRECISION SHUNTS

- 500 AMPS TO 3000 AMPS
- RATED FOR FULL CURRENT
- HIGH PRECISION
- GOOD LONG TERM STABILITY
- ACCREDITED CALIBRATION INCLUDED

The CS-500 to CS-3000 Shunts are designed for precise measurement of higher currents. They are rated for full continuous current.

A recent design upgrade has improved accuracy on these shunts.

Heat generated by the measurement current is adequately dissipated by the surface area of the exposed elements.

Careful design of the current bus structure and potential connections reduces connection errors.

The CS-500 to CS-3000 are open, parallel blade construction. They have been found to agree well between DC and 50/60 cycles, but are not recommended for pulse or high frequency use.

For the highest precision measurements, an installed RTD temperature sensor and temperature / current characterization is available.

For lower currents, please see our CS-1 through CS-300 shunts, or the MCS Multiple Current Shunt, a temperature-stabilized set of shunts from <10 mA to 300 A.

All precision shunts include ISO17025 accredited calibration through full rated current.



CS-3000 PRECISION SHUNT

CS Series High Current Shunts							
Model Number	Rated Amps	Nominal Resistance	Millivolts at Rated Current	Rated Power	Accuracy	Dimensions	Weight
CS-500	500	200 $\mu\Omega$	100 mV	50 W	<0.02 %	60x10x13 cm (24x4x5 in)	7 kg / 14 lbs
CS-1000	1000	100 $\mu\Omega$	100 mV	100 W	<0.025 %	70x13x13 cm (28x5x5 in)	17 kg / 36 lbs
CS-1500	1500	40 $\mu\Omega$	60 mV	90 W	<0.04 %	48x13x13 cm (19x5x5 in)	15 kg / 32 lbs
CS-2000	2000	20 $\mu\Omega$	40 mV	80 W	<0.04 %	48x18x13 cm (19x7x5 in)	22 kg / 48 lbs
CS-3000	3000	10 $\mu\Omega$	30 mV	90 W	<0.04 %	38x18x13 cm (15x7x5 in)	20 kg / 45 lbs
Special Values available on request – use the following format (accuracy may be derated)							
Specify CS-X-Y	X = Rated Amps	Y = Rated Millivolts	CS-2500-50 = 2500 A, 50 mV, 50 micro-ohm				

Notes:

- Stated accuracy at time of manufacture.
- Accuracy is through full range of applied current between 18-30 °C.
- All Ohm-Labs' standards carry a two year warrantee.

