MODEL CS-500 SHUNT WITH RTD

HIGH CURRENT PRECISION SHUNTS

- **500 AMPS & 1000 AMPS**
- **RATED FOR FULL CURRENT**
- **FOR CALIBRATION USE**
- **GOOD LONG TERM STABILITY**
- **HIGH ACCURACY**

The CS-500 and CS-1000 Precision Shunts are designed for demanding 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 large surface area of the exposed elements.

The CS-500 and CS-1000 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 applications, an installed temperature sensor and current / temperature characterization can be provided.

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 shunts are supplied with ISO 17025 accredited NIST traceable calibration through full rated current.

### CS Series High Current Shunts

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Rated Amps</th>
<th>Nominal Resistance</th>
<th>Millivolts at Rated Current</th>
<th>Rated Power</th>
<th>Accuracy</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-500</td>
<td>500</td>
<td>0.000 2</td>
<td>100</td>
<td>50 W</td>
<td>&lt;0.02 %</td>
<td>60x10x13 cm (24x4x5 in)</td>
<td>7 kg / 14 lbs</td>
</tr>
<tr>
<td>CS-1000</td>
<td>1000</td>
<td>0.000 1</td>
<td>100</td>
<td>100 W</td>
<td>&lt;0.025 %</td>
<td>70x15x13 cm (28x6x5 in)</td>
<td>17 kg / 36 lbs</td>
</tr>
</tbody>
</table>

Special Values available on request – use the following format (accuracy may be derated)

<table>
<thead>
<tr>
<th>Specify CS-X-Y</th>
<th>X = Rated Amps</th>
<th>Y = Rated Millivolts</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-1500-600</td>
<td>1500A</td>
<td>60 mV, 0.000 04 ohm</td>
</tr>
<tr>
<td>CS-250-100</td>
<td>250A</td>
<td>100 mV, 0.000 4 ohm</td>
</tr>
</tbody>
</table>

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