

MODELS CS-0.1 TO CS-10 PRECISION SHUNTS

-) **HIGH ACCURACY**
-) **IMMUNE FROM CONNECTION ERRORS**
-) **LOW TEMPERATURE / POWER COEFFICIENT**
-) **DC AND AC USE**
-) **RUGGED**



The CS series precision current shunts are designed for the most demanding measurement applications. These shunts feature long term stability and low temperature coefficients. Although designed for laboratory use, they are rugged enough to be installed in environments subject to temperature variations and vibration.

Every shunt is provided with ISO17025 accredited calibration through full rated current.

The CS-0.1 to CS-10 shunts have close ac/dc conformance. The ac/dc difference is less than 0.05 % up to 20 kHz.

The temperature coefficient of resistance is less than 5 ppm / °C.

Connection is via gold plated binding posts, which accept wire, banana plugs and spades. Connection errors common to other shunts are minimized by the internal bus structure.

Standard models are listed, but other amp/volt combinations are available.

For the highest precision applications, a 100 ohm RTD temperature option, with full temperature characterization, is available.

For less demanding applications, see the CSW Working Standard Shunts.

| CS Series Low Current Shunts (0.1 A to 10 A) | | | | | | |
|--|----------------|--------------------|--------------------------|--------------------------|-----------|--|
| Model Number | Rated Amps | Nominal Resistance | Voltage at Rated Current | Rated Power | Accuracy* | Physical |
| CS-0.1 | 0.1 | 10 Ohms | 1 V | 0.1 Watt | <0.005 % | 12.7 x 16.5 x 5.7 cm, 1 kg 5 x 6.5 x 2.25 in, 2 lbs |
| CS-1 | 1 | 1 | 1 | 1 | <0.005 % | |
| CS-5 | 5 | 0.2 | 1 | 5 | <0.01 % | |
| CS-10 | 10 | 0.1 | 1 | 10 | <0.01 % | |
| Special Values available on request – use the following format | | | | | | |
| Specify CS-X-Y | X = Rated Amps | Y = Rated Volts | | CS-5-1 = 5A, 1V, 0.2 Ohm | | |

Notes:

-) Stated accuracy includes full current range, 18-30 °C operating range, and 12 months stability



ISO17025 accredited calibration included.

