



## CS25 Photovoltaic (PV) Soiling 2 Amp $I_{SC}$ Sensor with Control



### Overview

The CS25 is used with a Campbell Scientific data logger to measure up to 2 A current on two channels with controllable solid-state relays. The CS25 is commonly used in photovoltaic (PV) soiling applications to control and measure the short-

circuit current ( $I_{SC}$ ) of mini PV panels, such as 20 W solar panels. A single CS25 is used for both clean reference and dirty test modules. The CS25 ships with a certificate of NIST traceable calibration.

### Benefits and Features

- › Single shunt design to reduce uncertainty
- › Shunts comply with MIL-S61-B and A-A-55524 specification
- › Single-channel, solid-state relays
- › For use with mini PV panels (such as 20 W, 10 W, and 5 W)
- › NIST traceable calibration certificate

### Specifications

|                             |                |                 |                                               |
|-----------------------------|----------------|-----------------|-----------------------------------------------|
| Maximum Current             | 2 A            | Control Current | 2 mA                                          |
| Maximum Voltage             | 25 V           | Dimensions      | 8.89 x 2.24 x 4.78 cm (3.5 x 0.88 x 1.88 in.) |
| Maximum Signal for $I_{SC}$ | 30 mV (at 2 A) | Weight          | 68.04 g (0.15 lb)                             |
| Control Voltage             | 3 to 5 V       |                 |                                               |

For comprehensive details, visit: [www.campbellsci.com/cs25](http://www.campbellsci.com/cs25)



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