

Datalogger to USB Interface

Model SC-USB

The SC-USB interface allows direct communication between a Campbell Scientific datalogger and a PC equipped with a USB port. Multiple devices can be connected to the SC-USB in parallel. Because the connection is opto-isolated, the SC-USB interface can replace an SC32B/USB converter combination. The SC-USB is shipped with a CD containing suitable drivers and a set-up/programming utility.

Features

- Connects our dataloggers to a PC equipped with a USB port
- Supports various communication protocols including ME, SDC, and CSDC
- Allows parallel connection with other modems without a serial switch
- Transfers data at rates up to 1 Mbps



The SC-USB is optically isolated, which helps eliminate noise pick up associated with PC power supplies and ground connections.

Specifications

Compatible dataloggers: CR510, CR800, CR850, CR10X, CR1000, CR7, CR3000, CR5000, CR9000X

Power: Drawn from the PC and datalogger

Current drain:

Drawn from datalogger: <1 mA standby, <20 mA active

Drawn from PC: <18 mA standby, <85 mA active

Communication protocols supported: Modem Enable (ME), Synchronous Device Communications (SDC), and Concurrent Synchronous Device Communications (CSDC)

Communication rates: 9600 bps to 115 kbps asynchronous communications;
up to 1 Mbps synchronous communications

CS I/O Port: Opto-isolated (signal isolation only) from the PC's USB port to 47 Vac or dc

Cable: 4.9 ft (1.5 m) length, fitted with a Type A connector for connection to the PC's USB port

Operating range: -25° to +50°C

Maximum cable length: 9.8 ft (3 m)

Dimensions: 0.8" x 1.6" x 3.0" (2.0 x 4.0 x 7.5 cm)

Weight: 3.0 oz (85 g)

