



SC32B

Optically Isolated RS-232 Interface

Overview

The SC32B Optically Isolated Interface is used to connect a datalogger's CS I/O port with a PC's RS-232 port. This interface converts the computer's RS-232 voltage levels to the CMOS levels of the datalogger. It also isolates the computer's electrical system from the datalogger, thereby protecting against ground loop, normal static discharge, and noise.

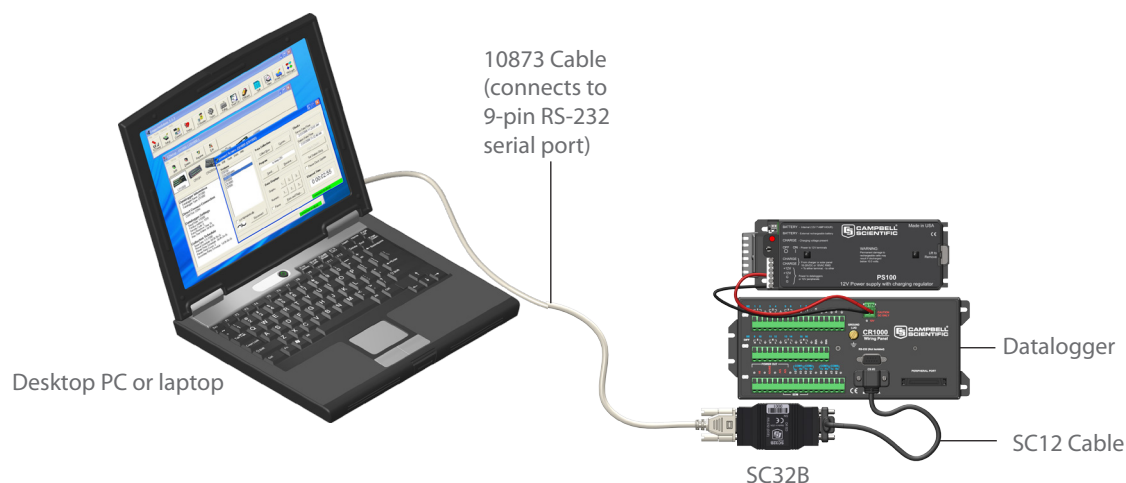


Benefits and Features

- › Connects a PC to the CS I/O port of a datalogger
- › Helps protect components from electrical damage
- › No power source needed—powered by datalogger and PC
- › Ships with cables needed for most uses*
- › Baud rates up to 115 kbps supported

Specifications

- › Baud Rates Supported: up to 115 kbps
- › Temperature Range: -25° to +50°C
- › Dimensions: 4.1 x 2.3 x 7.6 cm (1.6 x 0.9 x 3.0 in)
- › Weight: 45.4 g (1.6 oz)
- › Power: Drawn from the serial ports of the PC and datalogger
- › Typical Current Drain
Quiescent: < 200 μ A
Active: ~15 mA
- › Connections: 9-pin RS-232 female port configured as DCE; 9-pin male port



* The SC32B is shipped with the SC12 2 ft cable for attachment to the datalogger and a 10873 6 ft cable for attachment to the PC. Alternatively, an SC12R-6 6 ft cable (purchased separately) can be used instead of the standard SC12 cable when a longer cable is needed.



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