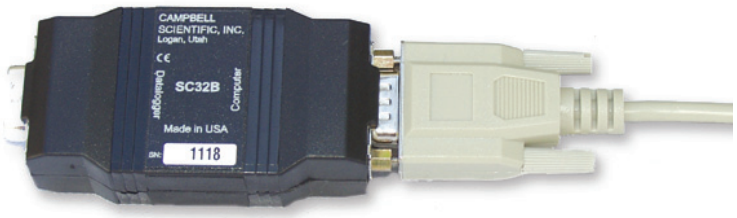
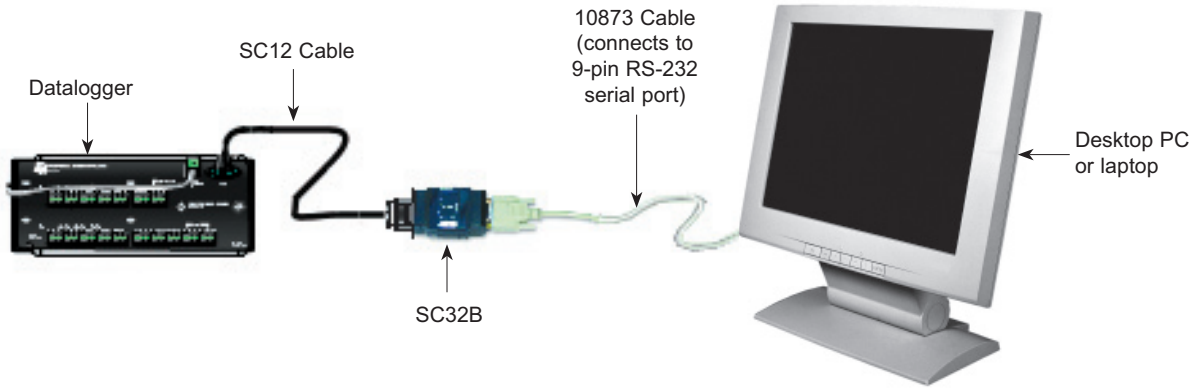
Datalogger to RS-232 Interface
Model SC32B

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



The SC32B is required for direct communications between a PC and a CR510, CR10X, or CR7 datalogger. Although our CR800, CR850, CR1000, CR3000, CR5000, and CR9000X have an on-board RS-232 port, the SC32B can be interfaced to their CS I/O port if a second RS-232 port is required in the application. CR800, CR850, or CR1000 customers may also choose to use the SC32B rather than the on-board RS-232 port if optical isolation is required.

The SC32B is shipped with an SC12 cable for connecting to the datalogger and 10873 cable for connecting to the PC. Alternately, an SC12R-6 cable (purchased separately) can be used to connect the interface to the datalogger if a longer cable is needed.



Specifications

- Baud rates supported
  up to 115 kbps
- Power
  Drawn from the serial ports of computer and datalogger
- Current (supplied by datalogger)
  <200 µA quiescent; ~15 mA active
- Connections
  9-pin RS-232 female port configured as DCE
  9-pin male port
- Operating temperature range
  -25° to +50°C
- Size
  1.6" x 0.9" x 3.0" (4.1 x 2.3 x 7.6 cm)
- Weight
  1.6 oz (45.4 g)
- SC32B shipped with SC12 and 10873 cables

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