



Communication support

Compatible with most
Campbell Scientific dataloggers

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www.campbellsci.eu/sc105

Overview

The SC105 supports communications between a Campbell Scientific datalogger and an RS-232 DCE device. Common DCE devices used with the SC105 include our COM110 modem, third-party radios, and third-party modems. The SC105 is compatible with any datalogger that has a CS I/O port.

Technical Description

The SC105 provides internal buffering that temporarily stores data. This buffering allows the datalogger and DCE device to operate at different baud rates by storing the data received from the faster device until the slower device is ready to receive it. Internal buffering also ensures that no data is lost during transmission.

Benefits and Features

- › Supports communication between a datalogger and an RS-232 DCE device
- › Communicates at baud rates up to 115.2 kbps
- › Provides internal buffering capability to ensure no data is lost during transmission
- › Allows datalogger to operate at a different baud rate than the DCE device
- › Compatible with most Campbell Scientific dataloggers
- › Outputs data to a serial printer

Ordering Information

DCE Synchronous Interface

SC105 CS I/O to 9-Pin RS-232 DCE Synchronous Interface

Common Accessory

MB3 Peripheral Mounting Kit

Specifications

- › Baud Rates Supported: 1200, 9600, 19200, 38400, 57600, 115200 bps
- › RS-232 Parity Supported: even, odd, none
- › RS-232 Data Bits Supported: 7, 8
- › CS I/O Modes: CSDC, SDC, ME, Addressed Print Device for P96 output
- › Power Source: Datalogger's 5 V supply
- › Operating Relative Humidity: up to 95% non-condensing
- › Dimensions: 2.3 x 4.3 x 9.2 cm (0.9 x 1.7 x 3.6 in)

- › Weight: 45.4 g (1.6 oz)

Current Drain*

- › Standby: 0.16 mA
- › Communicating: 1 to 4 mA

Operating Temperature Range

- › Standard: -25° to +50°C
- › Extended: -55° to +85°C

*Up to 8 mA of additional current may be used by the DCE device connected to the SC105.