CAMPBELL SCIENTIFIC®
WHEN MEASUREMENTS MATTER

SC105
DCE Synchronous Interface

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 cellular modems, third-party radios, and third-party modems. The SC105 is compatible with any datalogger that has a CS I/O port.

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

› Connects a computer to the CS I/O port of a datalogger
› Helps protect components from electrical damage
› High data transfer rates—up to 1 Mbps
› No power source needed—powered by the datalogger and computer
› Ships with cables needed for most uses

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
› View the EU Declaration of Conformity document at: www.campbellsci.com/sc105
› 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 +50ºC
› Extended: -55° to +85℃

The 16987 Peripheral Mounting Kit provides hardware for mounting the SC105 to the backplate of an environmental enclosure.

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

questions & quotes: **+61 (0)7 4401 7700**
www.campbellsci.com.au/sc105