CAMPBELL SCIENTIFIC®
WHEN MEASUREMENTS MATTER

COM220
Phone Modem

Ideal for Remote Sites

Low power use, wide operating temperature range

Overview

The COM220 phone modem enables communications between a computer and a Campbell Scientific datalogger over a public switched telephone network. A Hayes-compatible modem is required at the computer site. The COM220 connects to the datalogger at the field site. Most Campbell Scientific dataloggers are compatible.

Benefits and Features

❯ Wide operating temperature range and low power requirements make it ideal for use at remote sites

❯ Supports communication rates up to 115.2 kbps between modem and logger. (In practice, data transmission through phone lines is generally constrained to 33.6 kbps.)

❯ Compatible with most Campbell Scientific data loggers

❯ Offers both modem enabled (ME) and synchronous device communications (SDC) modes.

❯ Allows user to set the number of rings before answering call.

Technical Description

The COM220 has a CS I/O port, power terminals, screw terminals, and an RJ-11C jack. The datalogger connects with the CS I/O port via an SC12 or SC12R-6 cable. The RJ-11C jack is for attaching a surge-protected telephone line.

Alternatively, the screw terminals (GND, RING, TIP) can be used to connect the COM220 with a phone line via a surge protector.

Specifications

Transmission Distance or Area	Worldwide	Communication Rate	9600, 38400, 57600, 115200 bps (between data logger and COM220, and selected by user)
Operation	1200 to 115200 baud digital communications over phone lines	Operating Temperature Range	-25° to +50°C (standard)
Operating Voltage	12 Vdc	Standards	V.92, K56Flex, V.90, V.34, V.32bis, V32, V23, V22bis, V22, V.21, B212, B103
Current Drain	❯ ~30 mA (active) ❯ ~120 µA (quiescent)		

For comprehensive details, visit: **www.campbellsci.eu/com220**

Registration	〉 FCC US 3A4M508BSM2-T-W 〉 IC 2377 A-SM2TW 〉 TBR21	Dimensions	16.5 x 2.5 x 6.6 cm (6.5 x 1.0 x 2.6 in.)
Service Requirements	If not available at the site, phone lines must be installed.	Weight	0.16 kg (0.35 lb)

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