

Telephone Modem

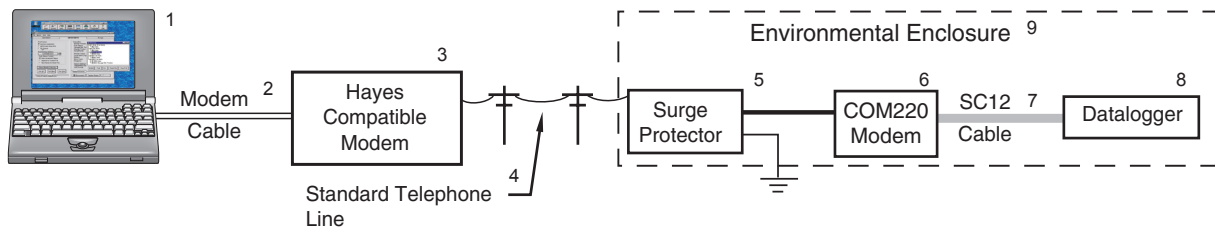
Model COM220

The COM220 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 base station. The COM220 connects to the datalogger at the field site. The COM220's wide operating temperature range and low power requirements make it ideal for use at remote sites.



Features

- Supports communication rates up to 115.2 kbps between modem and datalogger (in practice, data transmission through phone lines is generally limited to 33.6 kbps)
- Offers both Modem Enable (ME) and Synchronous Device Communications (SDC) modes
- Allows customers to set the number of rings before answering a call (requires an SC532A Interface)
- Includes a speaker



Hardware Requirements

At Computer Base Station

- 1) User-supplied PC running PC400 or LoggerNet Datalogger Support Software
- 2) 7026 serial cable or equivalent
- 3) Customer-supplied, Hayes-compatible modem
- 4) Switched telephone network that connects the computer base station with each datalogger field site

At Field Site

- 5) Telephone surge protector if the telephone company has not installed surge protection
- 6) COM220 modem
- 7) SC12 cable (included with COM220); the longer SC12R-6 cable is available as an option
- 8) CR800, CR850, CR10X, CR1000, CR3000, CR7, or CR5000 datalogger
- 9) Typically an ENC12/14, ENC14/16, or ENC16/18 environmental enclosure
- 10) Power supply, usually the datalogger's sealed rechargeable battery recharged with ac power or solar panel

Ordering Information

COM220	Phone Modem.
-XT	Extended temperature testing (-55° to +85°C)
-US	Set for use in US or Canada
-UK	Set for use in the UK
4330	Telephone Surge Protector (JOSLYN 2374-01)
6362	Telephone Surge Protector (JOSLYN 2374-01) with hardware for mounting in an enclosure
SC532A	Peripheral to RS-232 Interface that is required to to set the number of rings before answering a call

COM220 Specifications

- Standards: V.92, K56Flex, V.90, V.34, V.32bis, V32, V23, V22bis, V22, V.21, B212, B103
- Registration:
 - FCC US: 3A4M508BSM2-T-W
 - IC 2377 A-SM2TW
 - TBR21
- Operating voltage: 12 Vdc
- Current drain: 12 μ A quiescent; 30 mA active
- Communication rate between datalogger and COM220: 9600, 38400, 57600, 115200 bps (selected by user)
- Operation: Full-duplex over standard analog phone lines
- Operating temperature: -25° to +50°C std, -55° to +85°C optional
- Dimensions: 6.5" x 1.0" x 2.6" (16.5 x 2.5 x 6.6 cm)
- Weight: 0.35 lbs (0.16 kg)
- Shipped with: SC12 cable, ground cable, telephone patch cord, screws, grommets

