CAMPBELL SCIENTIFIC
WHEN MEASUREMENTS MATTER

CD100
Mountable Display with Keyboard

Convenience with Protection

Read data and enter instructions without opening enclosure

Overview

The CR1000 is a mountable display with a keypad for datalogger data entry and display. It has a vacuum fluorescent display for responsive use through a very wide operating temperature range. Its operation is the same as the CR1000KD.

Benefits and Features

> Allows users to check the datalogger's status, display or plot sensor readings and stored values, and to enter numeric data without opening the enclosure

> Supports custom menus and displays to simplify routine operations

> Provides water and dust ingress protection rating IP66 when installed in enclosure lid

> Compatible with CR800, CR1000 and CR3000

Technical Description

The CD100's keypad has 16 characters and is designed to permit operation with a gloved hand. Its display can show 8 lines by 21 characters (64 by 128 pixels). Security can be set in the datalogger to prevent unauthorized personnel from accessing the data.

Custom Menus and Displays

Menus for the CD100 can be customized to simplify routine operations. Viewing data, toggling control functions, or entering notes are common applications. Individual menu screens support up to eight lines of text with up to seven variables.

The CD100 is connected to the datalogger via the SC12 cable

Ordering Information

Displays

CD100 Display with Keypad that user installs in enclosure lid. Each CD100 includes a cable for connecting to the datalogger, and hardware for mounting the display in an enclosure lid or on a panel.

#27814 Campbell Scientific installs the CD100 display in an enclosure lid before the enclosure leaves the factory.

Specifications

❭ Display: 8 line x 21 character (64 x 128 pixel)
❭ Keypad: 16 key, alphanumeric
❭ Interface: CS I/O, SDC address 2
❭ Power Requirements: Drawn from the datalogger's CS I/O port
❭ Water and Dust Ingress Protection Rating: IP66 when installed in enclosure lid
❭ Dimensions: 17.5 x 13.7 x 3.6 cm (6.9 x 5.4 x 1.4 in)
❭ Weight: < 0.5 kg (< 1 lb)

Current Drain
❭ Inactive: negligible (0.02 mA)
❭ Active: 140 mA

Temperature Range
❭ Operating: -45º to 85ºC
❭ Storage: -50º to 85ºC
❭ Transit (1 hr): -60º to 85ºC