

CD295 and CD294

DataView II and DataView Display Units



The CD295 DataView II and the CD294 DataView are two-line, 32-character LCDs that display one real-time value, a description, and units. The CD295 supports most of our newer dataloggers, and CD294 supports many of our retired dataloggers. These display units are mounted in an enclosure lid, which allows customers to view the datalogger's data on-site without opening the enclosure.

Customers can enter descriptions, choose units, and specify the data that will be displayed. The values are automatically updated as soon as the datalogger measures them. Two buttons are provided on the display unit for scrolling through the specified values.

CD295 DataView II for PakBus Loggers

The CD295 supports our CR200(X)-series, CR800, CR850, CR1000, and CR3000 dataloggers. PC295 software is provided with the CD295. This software allows the customer to specify up to 30 public variables to display along with their descriptions and units. To conserve power, the CD295 automatically goes into a quiescent state when the customer hasn't pressed a button within a specified amount of time.

The original release of the CD295 operating system (version 1) and PC295 software (version 1) supported only the CR200-series dataloggers. Version 2 of the CD295 operating system (OS) and PC295 added support for the other dataloggers, as well as support for their new data types (long integers, Booleans, strings, and time stamps).

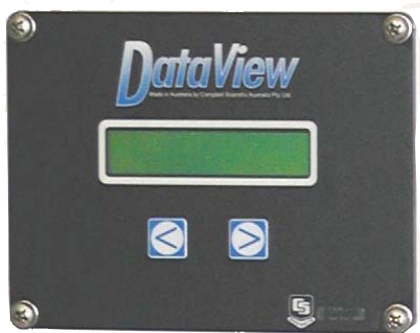


A CD295 DataView II is installed in an enclosure lid. A template for an enclosure cutout, mounting screws, and O-rings are provided. Alternatively, Campbell Scientific will install the display in the lid.

To use the new capabilities, customers with version 1 need to upgrade both their CD295 OS and PC295 software. Visit www.campbellsci.com/downloads to acquire, at no charge, the CD295 OS upgrade and PC295 upgrade. Our Device Configuration Utility (DevConfig) is required to upgrade the CD295 OS. DevConfig is included in our PC400 and LoggerNet software packages, as well as available from our website.

CD294 DataView for Mixed-Array Loggers

The DataView allows you to view realtime data in the field (CD294 shown).



The CD294 supports mixed-array dataloggers—specifically the CR510, CR10X, CR23X and CR7. PC294 software is provided with the CD294. This software allows the customer to specify up to 18 input locations to display along with their descriptions and units. To conserve power, the CD294 automatically goes into a quiescent state when the customer hasn't pressed a button within two minutes.

Ordering Information

Displays

- CD295** DataView II Display for PakBus dataloggers. Each DataView II includes PC295 software, a cable for connecting to the datalogger, and hardware for mounting the display in an enclosure lid.
- CD294** DataView Display for mixed-array dataloggers. Each DataView includes PC294 software, a cable for connecting to the datalogger, and hardware for mounting the display in an enclosure lid.

Display Installed in Enclosure Lid

When the following are ordered, Campbell Scientific will install the display in the enclosure lid before the enclosure leaves the factory.

- 18132** Campbell Scientific installs the CD295 DataView II in an enclosure lid.
- 16737** Campbell Scientific installs the CD294 DataView in an enclosure lid.

Specifications

- Power Requirements:** Powered from the datalogger
- Relative Humidity:** IP65 when using supplied sealant

CD295 DataView II for PakBus Dataloggers

- Compatible Dataloggers:** CR200X-series, CR200-series, CR800, CR850, CR1000, CR3000
- Current Drain**
- Asleep: 1 mA
 - Active without Backlight: 3 mA
 - Active with Backlight: 30 mA
- Temperature Range**
- Operating: -20° to +55°C
 - Asleep: -25° to +70°C
- Dimensions:** 5.1 x 3.9 x 1.2 in (13 x 10 x 3 cm)
- Weight:** 8 oz (235 g)

CD294 DataView for Mixed-array Dataloggers

- Compatible Dataloggers:** CR510, CR10X, CR23X, CR7
- Current Drain**
- Quiescent: <100 µA
 - Active: 5.5 mA
- Temperature Range**
- Operating: 0° to +50°C
 - Low Power: -20° to +50°C
- Dimensions:** 5.1 x 3.9 x 1.0 in (13 x 10 x 2.5 cm)
- Weight:** 5 oz (150 g)

