

Easy Setup

Powerful tools and editors

Overview

PC400 is Campbell Scientific's mid-level datalogger support software. This versatile software supports a variety of telecommunication options, manual data collection, and data display. PC400 includes an

easy-to-use program generator (Short Cut) as well as full-featured program editors (CRBasic, Edlog).

Benefits and Features

- EZSetup Wizard for easier station setup
- Support for our CR200(X)-series, CR6, CR300, CR1000, CR800, CR850, CR3000, CR9000(X), CR510, CR10(X), 21X, CR23X, CR7, and CR5000 dataloggers with mixed-array, table-data, or PakBus® datalogger operating systems
- Data retrieval via direct connect, phone modems, Ethernet, radios (UHF, VHF or spread spectrum), or multidrop modems*
- ShortCut, Edlog, and CRBasic programming tools used to create/edit datalogger programs that measure sensors and control SDM devices, multiplexers, and relays
- Real-time or historic data displays
- Time-series graphs for unlimited elements from a data file
- Troubleshooting tools (terminal emulator and communications log)
- Device Configuration Utility for setting up Campbell hardware

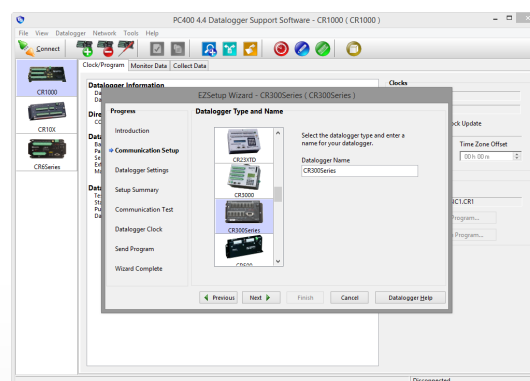
Technical Description

EZSetup Wizard

To facilitate station setup, PC400 provides the EZSetup Wizard. This simple, station-oriented wizard walks the user through the setup process. The wizard can also be used to modify settings for an existing site.

Clock/Program, Monitor Data, Collect Data

These tools allow customers to set/edit the station's settings, set the datalogger's clock, view real-time data, set flags/ports, and collect data on demand. Communication links supported include direct connect, phone modems, Ethernet, narrow-band UHF and VHF radios, spread spectrum radios, or multidrop modems.



The EZSetup Wizard walks you through the datalogger setup, step-by-step.

*PC400 does not support combined communication options (e.g., phone-to-RF), PakBus routing, or scheduled data collection. LoggerNet software is recommended for applications that require these capabilities.

Programming

PC400 offers two full-featured programming tools—the CRBasic Editor and Edlog. The CRBasic Editor uses syntax similar to BASIC programming language to provide sophisticated programming capabilities for our CR200(X)-series, CR6, CR300, CR800, CR850, CR1000, CR3000, CR5000, and CR9000(X) dataloggers. Edlog provides programming capabilities for our CR500, CR510, CR10(X), 21X, CR23X, and CR7 dataloggers.

For those who prefer a simpler means of programming their dataloggers, PC400 includes Short Cut for Windows (SCWin). SCWin provides a wizard-like interface for generating programs for all Campbell Scientific dataloggers and supports all of our popular sensors, as well as user-created custom sensor files (using an existing sensor file as the starting point). Short Cut can also be used for the ET107, ET106, and MetData1 Weather Stations.

View Pro

View Pro allows data to be viewed in numeric format or in one of several graphical layouts, including a line graph, xy plot, histogram, rainflow, and 2D/3D FFTs. Multiple data files can be opened at once, allowing side-by-side comparison of the data. There is no limit to the number of traces that can be displayed on a graph.

Device Configuration Utility (DevConfig)

DevConfig allows you to send new operating systems to dataloggers and other devices with flash memory, configure various PakBus® settings in dataloggers, and edit settings for communication peripherals such as the NL240 and RF401A. The latest DevConfig can be downloaded from our website.

Card Convert

CardConvert is used to convert and save binary data from a CompactFlash® card, microSD® card, or PC Card. CompactFlash cards are compatible with our CR1000, CR3000, CR5000, and CR9000X dataloggers; microSD cards are compatible with our CR6 dataloggers; and PC Cards are compatible with our CR5000 and CR9000X dataloggers.

Split

Split is used to post-process data files and create reports. It sorts and combines data based on time or conditions, performs calculations on data values, converts “Day of Year” calendar dates into more traditional date/time stamps and allows variable column widths for printable reports.

Computer Requirements

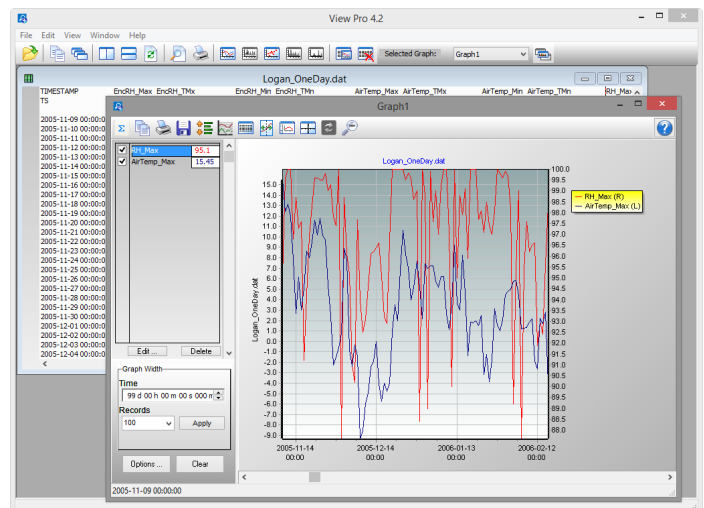
- ▶ PC Operating System: Windows 10, 8, 7, Vista, or XP
- ▶ TCP/IP and Telephony services must be installed and enabled on the PC

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View Pro displays historical data in a tabular or graphical format.