CAMPBELL SCIENTIFIC
WHEN MEASUREMENTS MATTER

PC400

Datalogger Support Software

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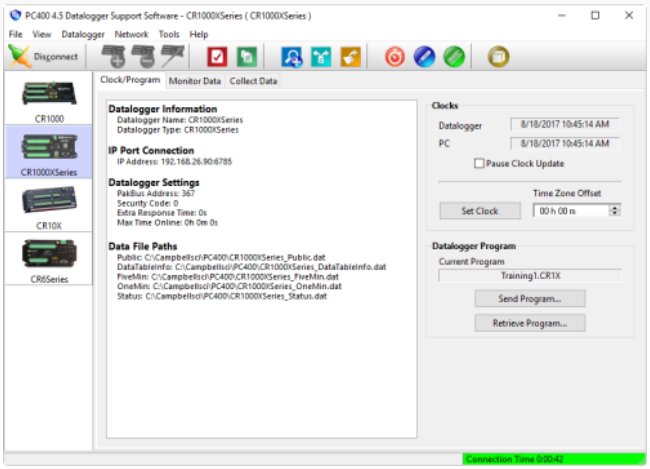

Easy Setup

Powerful tools and editors

Overview

Current Version: 4.5

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).

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

Benefits and Features

- EZSetup Wizard for easier station setup
- Support for our CR200(X)-series, CR300-series, CR6, CR1000X, 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
- ShortCut, Edlog, and CRBasic programming tools used to create/edit datalogger programs that measure sensors and control SDM devices, multiplexers, and relays
- Data retrieval via direct connect, phone modems, Ethernet, radios (UHF, VHF, or spread spectrum), or multidrop modems
- 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 Scientific hardware

Detailed 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.

Programming

PC400 offers two full-featured programming tools—the CRBasic Editor and Edlog. The CRBasic Editor (similar in syntax to the BASIC programming language) supports our newer dataloggers. Edlog supports our retired dataloggers and the CR7.

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 Campbell Scientific dataloggers and supports all 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. The graphs can be saved in a variety of formats. The left and right y-axes of the graphs can be configured independently.

Device Configuration Utility

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 NL241, NL240, RF407, and RF401A. The latest DevConfig can be downloaded from our website.

Card Convert

CardConvert is used to convert and save binary data from a PC Card, CompactFlash card, or microSD card. PC Cards are compatible with our CR5000 and CR9000X dataloggers. CompactFlash cards are compatible with our CR1000, CR3000, CR5000, and CR9000X dataloggers. MicroSD cards are compatible with our CR6 and CR1000X 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.

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Specifications

Current Version	4.5
Operating System	Windows 10, 8, or 7
Requirement	TCP/IP services must be installed and enabled on the PC.

For comprehensive details, visit: www.campbellsci.com/pc400

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