

# Datalogger Support Software for Palm OS-based PDAs PConnect 3.1

PConnect software supports communications between a Palm OS-based PDA and a Campbell Scientific datalogger. PConnect is compatible with Palm OS-based PDAs with OS version 3.3 or greater, including Palm™ Inc., handhelds and Handspring® Visor Neo and Platinum. Compatible dataloggers are our CR200-series, CR500, CR510, CR10(X), CR1000, 21X, CR23X, and CR7; both the mixed-array datalogger operating system (OS) and PAKBUS® datalogger OS are supported.

PConnect can be used to collect data from the datalogger, and transfer the data to an office PC. Collected data is transferred to the PC during the HotSync process. This process also synchronizes program files between the PDA and PC.

## New in Version 3.1

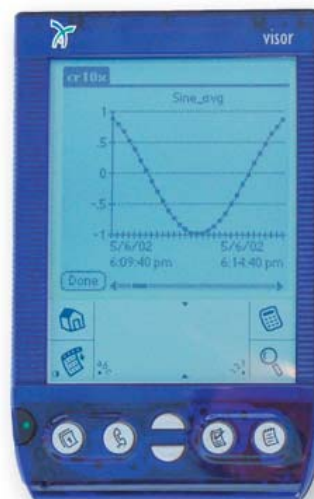
Support for our recently released CR1000 dataloggers has been added.

## Functions Supported

PConnect 3.1 retains all the functionality of the previous versions including the capability to:

- Communicate at baud rates of 38,400 bps (CR1000 and CR23X) and 9,600 bps (all other dataloggers)
- Create unique station files for each datalogger
- Collect data from the datalogger
- Transfer datalogger programs between the datalogger and PDA
- Display real-time and historical data. Real-time data is updated every two seconds
- Graph one element from any array
- Set datalogger flags, ports, and clock
- Communicate using a direct serial connection, RF400-series Spread Spectrum Radio, or SC-IRDA Infrared Interface (not compatible with the CR200 series)
- Access the datalogger terminal mode
- Use memory expansion cards to expand the PDA's memory

*Note: Requirements are listed on the back page.*



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## Requirements

### Datalogger

- CR200-series, CR500, CR510, CR10(X), CR1000, 21X, CR23X, or CR7
- Operating system: mixed-array or PAKBUS®

### PDA

- Operating system: Palm OS Version 3.3 or later (Pocket PC OS-based PDAs require PConnectCE)
- Must be capable of serial communication
- Memory: 2 MByte if collecting data from one standard datalogger; 8 MByte recommended when collecting from many stations or from dataloggers with extended memories
- If using the SC-IRDA, the PDA must have an IRDA port.

### Connectors, cables, and interfaces

- Datalogger connection:
  - PDA-to-CS I/O connector or PDA-to-RS232 cable (both are shipped with PConnect software). The PDA-to-CS I/O connector connects to the CS I/O port on a CR500, CR510, CR10(X), CR1000, 21X, CR23X, or CR7 datalogger. The PDA-to-RS232 cable connects to the RS-232 port on a CR200-series, CR1000, or CR23X datalogger.

--OR--

- SC-IRDA Infrared Interface connects to the CS I/O port on a CR500, CR510, CR10(X), CR1000, 21X, CR23X, or CR7 datalogger.
- PDA connection for serial communication: PDA-to-serial cable or cradle (one end of the cable/cradle must terminate in a 9-pin serial connector). The cable/cradle connects to the PDA-to-CS I/O connector or PDA-to-RS232 cable via the 9-pin serial connector. The PDA connects to the cable/cradle via the other connector. This cable/cradle may be included with the PDA, or it may need to be purchased as a separate accessory from the PDA manufacturer or a third party supplier.

### Software

- Palm Desktop Software installed on the PC
- One copy of PConnect software per PDA

### Computer

- Windows-based, 32-bit operating system (Windows 95, 98, ME, NT, or XP)

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