# Application Software
PC9000 version 5.0

PC9000 is versatile, easy-to-use software that supports program generation, data collection, and real-time and historical data display. One licensed copy of PC9000 is supplied at no cost with every CR9000X or CR9000XC purchase. PC9000 is also compatible with the CR5000, CR9000, and CR9000C; CR5000 customers must purchase PC9000.

Program Generator

- Supports pick-and-click programming for most commercially available sensors

- Customizes measurements

- Sets up the data output interval and format

- Provides sample, maximum, minimum, average, standard deviation, histogram, rainflow histogram, and level crossing histogram output options

- Allows automatic field calibration for sensors, incorporating the appropriate multipliers and offsets into the datalogger program

- Sets trigger conditions for data inclusion or exclusion into various data sets

- Creates a datalogger Program file, Wiring Diagram, Output Data Information file, and Configuration file

Program Editor

- Edits programs created by the Program Generator

- Contains a quick list of available instructions

- Displays multiple programs simultaneously

- Includes context-sensitive help

- Provides cut, copy, paste, undo, find and replace commands
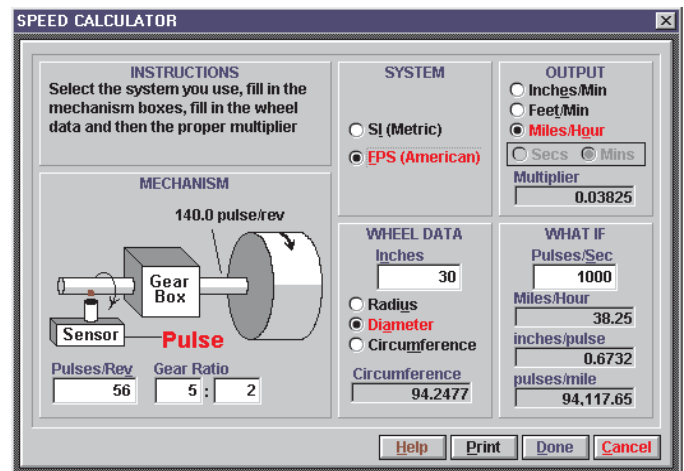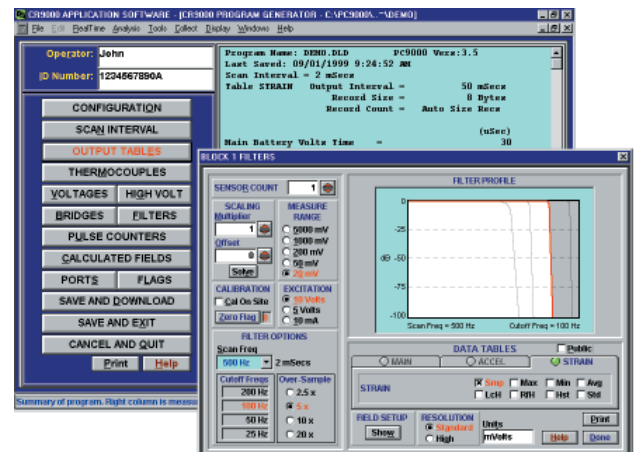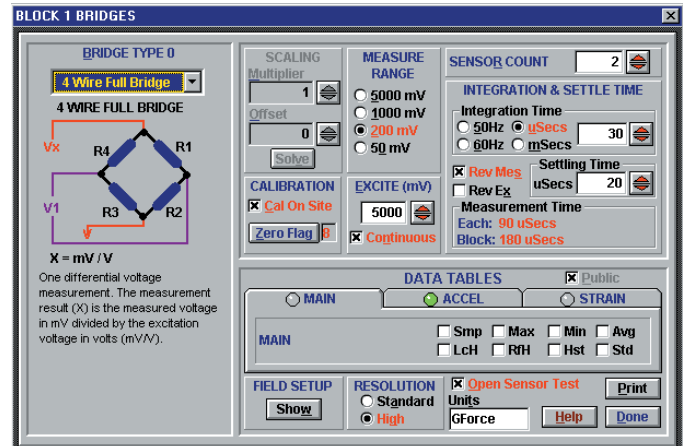
Top: Configuring measurements for almost any sensor is easy using the Program Generator's various measurement and set-up windows.

Center: The Program Generator's Filter set-up window makes it easy to apply a filter to a measurement.

Bottom: The speed calculator window is one of the many available windows that assist in calculating the multipliers and offsets required to convert raw measurements into engineering units.

Communication/Data Collection

- For the CR5000, CR9000X, CR9000XC—supports ethernet and serial communications

- For the CR9000 and CR9000C—supports ethernet, TLink/fiber optic, parallel port, and serial ports

- Collects data on demand

- Transfers programs to or from the datalogger

- Provides multiple formats for data collection

- Converts datalogger's data into binary, DaDisp, or ASCII format
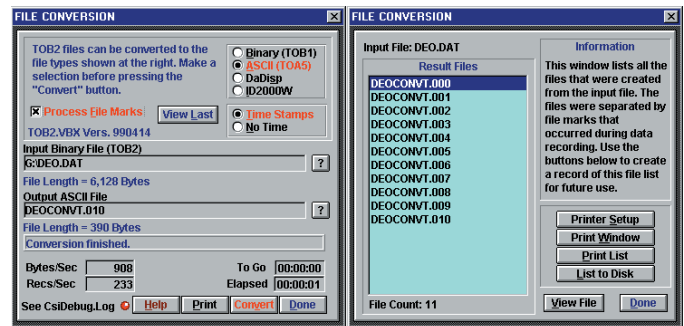
The convert utility converts the datalogger's data into other formats allowing the data to be displayed using other software (e.g., DaDisp spread sheet programs).
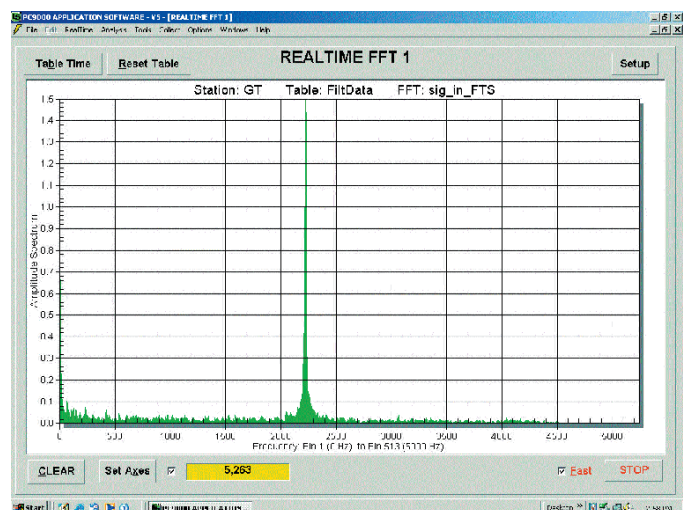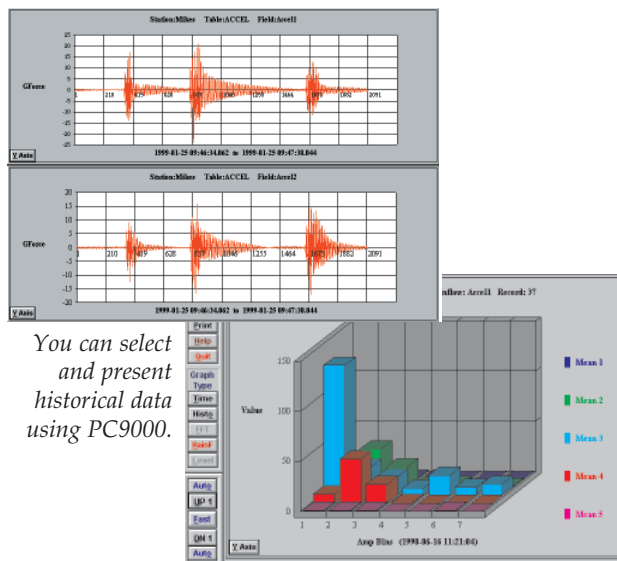
Real-Time and Historical Data Display

- Monitors real-time data using tabular displays, virtual meters, virtual oscilloscopes, X-Y plotters, FFTs, trend monitors, spatial plots, or histogram formats

- Views historical time series, rainflow, level crossing, and FFT data in a time-based "movie" format or an instantaneous snapshot format that supports 10 multi-charts with up to eight fields each

- Provides user flags for program control of a Dynamic Data Exchange

Computer Requirements/Specifications

- Windows NT, 2000, or XP
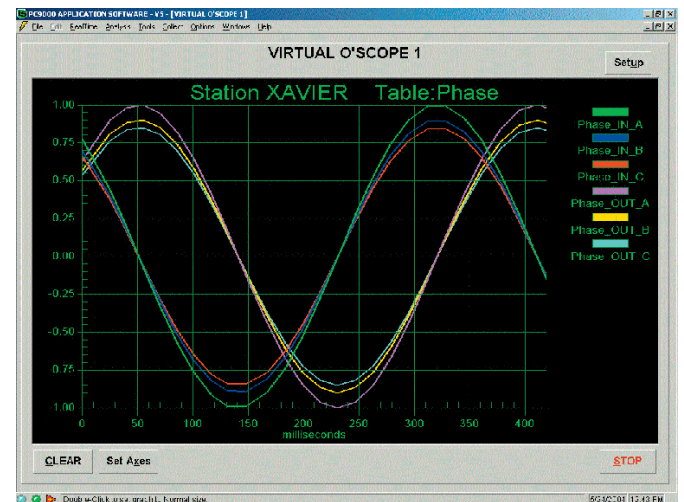
The Oscilloscope (above) and FFT (below) are examples of the many real-time data displays that allow you to view the measurements instantly.

You can select and present historical data using PC9000.