

PRODUCT



CR6

Measurement and Control Datalogger



**One Data
Logger,
Countless
Applications**

Offering Wi-Fi and radio options

Overview

The CR6 Measurement and Control Datalogger is a powerful core component for your data-acquisition system. The CR6 datalogger provides fast communication, low power requirements, built-in USB, compact size, and high analog input accuracy and resolution. It uses universal (U) terminals to allow a connection to virtually any sensor—analogue, digital, or smart. This multipurpose data logger is also capable of doing static vibrating-wire measurements.

The CR6 can include integrated radio options:

- ▶ CR6-RF407: 900 MHz (United States and Canada)
- ▶ CR6-RF412: 920 MHz (Australia and New Zealand)
- ▶ CR6-RF422: 868 MHz (Europe)
- ▶ CR6-RF451: 900 MHz, 1 W (United States, Canada, and Australia)
- ▶ CR6-WIFI: 2.4 GHz

Benefits and Features

- ▶ Operational in extreme environments with a standard operating range of -40° to +70°C and an extended operating range of -55° to +85°C
- ▶ Connects directly to a computer's USB port
- ▶ U terminals configurable to what you want them to be: analog or digital, input or output
- ▶ Supports static vibrating-wire measurements using our patented VSPECT™ spectral analysis technology
- ▶ Differentiates even slight changes in data values with high-resolution measurements (to 0.05 µV, 24 bit Adc)
- ▶ Contains an onboard CPI port for hosting Campbell sensors and distributed modules (CDMs)
- ▶ Directly connects to Ethernet with 10/100 Ethernet RJ-45 or Ethernet over USB (virtual Ethernet)
- ▶ Includes a microSD card drive for extended memory requirements
- ▶ Provides simple serial sensor integration and measurement with SDI-12, RS-232, and/or RS-485
- ▶ Supports full PakBus® networking
- ▶ Includes an embedded web page for direct connection via web browser