Accessories

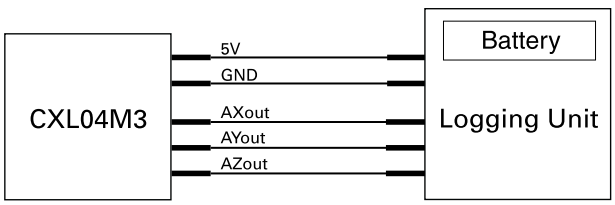
SENSOR DATA ACQUISITION SYSTEMS

- Lightweight, Pocket-Sized
- Stand-alone, High Memory Capacity
- Fast, Easy Setup - No Programming
- One Button Graph Generation

AD2000 Ready DAQ AD128 Data Logger

The AD128 is a complete stand-alone data acquisition system, including a pocket-sized logging unit, Configuration & Analysis Software and all accessories. The system provides a method for logging data directly from Crossbow accelerometers. The AD128 logging unit will operate from a 9 volt battery for up to 3 months when power is not being supplied to sensors. While supplying power to Crossbow accelerometers, the logging unit will operate from a single battery for 8 to 150 hours, depending on the accelerometer model.

The AD2000 is an enhanced data acquisition system with 2 megabytes of memory, 12 input channels, and peak-record and event duration filter mode options for use with accelerometers. Usable on vehicles up to 35 Volts and includes transient and surge protection to 80 Volts.



The full-featured Configuration & Analysis Software is shipped with each system and enables immediate use of the system right out of the box. The form-based setup is extremely intuitive and makes immediate use of the system possible, for evaluation and useful data collection with Crossbow accelerometers. Once data has been recorded, a single mouse click retrieves the data into a built-in spreadsheet, from which another mouse click generates a pre-formatted graph for immediate analysis. The Configuration and Analysis Software runs on Windows 95/98.

The AD128 logging unit records from all 8 analog and 15 digital inputs (or selected inputs) simultaneously, as fast as 500 samples per second, with a single touch of a button. Alternately, recording may be triggered by a specified condition on the input signal levels, thus eliminating unwanted information.

Sample records are logged with the time and date of the built-in real-time clock. The 10-year battery-backed data memory and software interlock ensure that data won't be lost or accidentally erased. All inputs are protected to ± 20 volts.