CAS DATALOGGERS

DETECTING DC MOTOR FAILURE

USING A DATA LOGGER

Low-Power dataTaker System Records Temperature and More

DC motor failure is disastrous for factories and plant processes in every industry. To help prevent costly process delays, you can use a **data logger** to measure Temperature, Voltage/Current and other parameters. At **CAS DataLoggers** we provide the versatile and rugged **dataTaker data loggers** for these applications. Call our Application Specialists at **(800) 956-4437** for more info.

dataTaker Features:

The **dataTaker DT82E** was designed to handle continual monitoring applications where robust functionality and low power consumption are required.

- 2 to 6 Universal Analog Sensor Channels
- 4 Bi-Directional Digital Channels
- 4 High Speed Counter Channels
- 1 SDI-12 Channel
- Advanced Alarming & Mathematical Capabilities
- Ethernet, or RS-232 Communication with PC
- Built-in Web Server, FTP, and an Enhanced Web Interface
- Modbus for SCADA connection

Logging Multiple Values:

Analog and digital channels, along with high-speed counter inputs, allow the DT82E data logger to easily connect to most sensors and data measurement sources. Temperature, voltage, current, 4-20mA loops, resistance, bridges, strain gauges, frequency, digital, serial and calculated measurements can all be scaled, logged and returned in engineering units. You can also group sampling, logging, alarm and control tasks within schedules to suit your requirements.

The Intelligent Data Logger:

The DT82E is a robust, stand alone, low-power data logger featuring 18 bit resolution, extensive communications capabilities and built-in display. The dataTaker DT82E's Dual Channel Isolation allows 4, 2-wire differential or 6 common-referenced analog inputs to be used in many combinations.

With support for SDI-12 sensor networks, TCP, FTP, Web interface, and 12V regulated output to power sensors, the DT82E is ready to be rolled out into industrial monitoring projects.

You can choose to connect to the DT82E locally, remotely or over the Internet. Communications features include RS232 with modem support, Ethernet and USB memory stick ports. The web interface allows users to configure the DT82E, access logged data and see current measurements as mimics or in a list using a web browser. FTP provides data to your office over the internet or mobile phone network, without the need for polling or specific host software.

Automatic Data Capture:

Once a logging schedule begins, the dataTaker data logger will automatically begin recording data with no user interaction required. Users can store up to 10 million data points in user defined memory, logging as much or as little as needed with independent control of schedule size and mode. Archive data on alarm event, copy to USB memory or transfer via FTP--the choice is yours.

For more information on the **dataTaker DT82E Datalogger**, or to find the ideal solution for your application-specific needs, contact a **CAS Data Logger Applications Specialist** at **(800) 956-4437** or visit our website at **www.DataLoggerInc.com**.

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