

New Remote Monitoring Solution from CAS DataLoggers

The New dataTaker DT85GM with Built-In Cellular Modem

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CAS DataLoggers has partnered with popular manufacturer **dataTaker** to announce the newest cost-effective solution for remote monitoring applications in the geotechnical and construction industries. The **DT85GM Intelligent Vibrating Wire Data Logger** is a low-power solution offering users all the same functionality as the bestselling DT85G datalogger but adds a built-in cellular modem for remote monitoring applications, networkability, and automated data transfer. Additionally, the DT85GM features vibrating wire strain gauge support and is compatible with all leading brands of geotechnical instruments to handle many geotechnical data logging applications, including mining exploration, dam wall monitoring, tunnel excavation and more. With up to 48 universal analog sensor channels and expandable up to 900 analog inputs, this intelligent datalogger is ideal for any geotechnical project.

The DT85GM offers 16 to 48 universal analog sensor channels, as well as 8 bi-directional digital channels and 4 high-speed counter channels. High-precision measurements are made within a ± 30 Vdc input measurement range, and the logger's memory stores up to 10 million data points. Four SDI-12 channels are also standard as well as SDI-12 and Modbus sensor support. Users can also rely on dataTaker's world-renowned rugged design and construction, providing reliable operation even in typically harsh geotechnical environments and construction applications.

This standalone or networkable datalogger is fully outfitted with powerful inbuilt communication options including an integrated cellular modem. This communications suite includes a built-in web server with an enhanced web interface and support for Ethernet or USB with a PC, as well as USB memory stick capability. Automated data delivery features schedule collected data to be automatically emailed to a specified inbox every day or at other time intervals, saving all the time needed to travel to the logger to get its data. Advanced alarm conditions can handle data delivery and send alert messages to multiple email addresses or mobile phones in addition to triggering data delivery, and more sophisticated systems can make use of the automatic data delivery features to send logged data to an FTP server.

Free dEX configuration software is built into the datalogger so users don't have to install any applications. The dEX intuitive graphical interface can be accessed locally or remotely, anywhere that a TCP/IP connection is available including worldwide over the Internet. dEX runs directly from a web browser, taking users through quick and easy logger configuration, showing wiring diagrams, and allowing users to decide – in as much or as little detail – how they want their system to work, suiting both novice and advanced users. Using the internal modem, users can even reconfigure their systems remotely over the Internet. Users can also view real-time data in mimics, trend charts and tables, and retrieve historical data for analysis. Logged data is easily imported into common spreadsheet and data

processing applications such as Excel for further analysis and reporting. Data can be saved to a PC in .csv format or proprietary binary (.DBD) format.

For more information on the DT85GM Intelligent Vibrating Wire Data Logger, other dataloggers in the highly successful dataTaker line, or to find the ideal solution for your application-specific needs, contact a CAS Data Logger Applications Specialist at (800) 956-4437 or visit the website at www.DataLoggerInc.com.

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