CAS DATALOGGERS

Safeguarding Production with Industrial Process Monitoring

Powerful Measurement Technology from Delphin

Delphin Technology and CAS Data Loggers present an industrial process monitoring application that provides substantial business benefit to your bottom line. Effective process monitoring is critical to avoiding downtime, ensuring product quality and alarm generation to avoid catastrophic loss. CAS DataLoggers will provide you with a Delphin data acquisition system to help protect your valuable business commodities by helping assess your requirements and finding the ideal solution for your process monitoring needs.
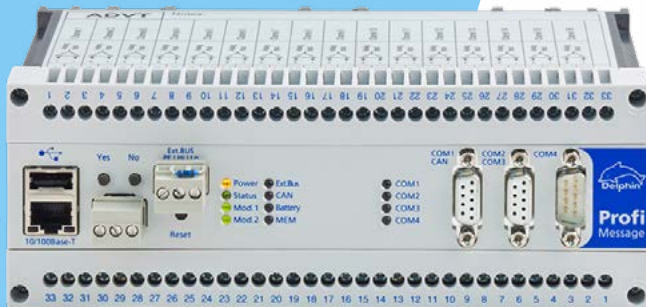
Independent Process Monitoring

Industrial processes must function smoothly to maximize productivity and to minimize downtime that will often result in substantial costs. Effective process monitoring will also reduce inventory loss due to missed steps or inaccuracies that may be exacerbated over time.

Delphin ProfiMessage and Expert devices are popular across the world for use in process monitoring tasks because the combination of analog and digital inputs as well as the capability to gather process data via Profibus, Modbus, and OPC. Delphin devices can directly record and report limit value excursions without the need for PC support or excursions can also be portrayed in an alarm list.

Practical Example

A manufacturer of piezoceramics monitors its firing process with Delphin ProfiMessage devices and ProfiSignal software. The firing process of each oven is triggered automatically when the oven temperature exceeds 100°C (212°F). During each process, a real-time three-part view is displayed showing the status of each oven. The oven status is displayed as a curve in a graphical online trend chart.

Recording and monitoring stop as soon as temperatures drop below 90°C (194°F) and the data is uploaded to a local server where access to data from completed runs is available to anyone with a PC on the network.

Industrial Applications

CAS DataLoggers and Delphin Technologies have provided industrial process monitoring solutions to industries around the world including oil and gas refineries, steel mills, cold storage, industrial gas production, printing presses, and many others. The success of our clients' operations after process monitoring implementation proves there are significant cost savings in data acquisition and deterministic analysis of process parameters in any industry.

Delphin data acquisition systems offer configurations with various numbers of analog and digital inputs that can be used with a wide range of sensors with outputs ranging from 0-5V, 0-10V, 4-20 mA, thermocouple, RTD, and digital or pulse. They also deliver powerful alarming that allows these instruments to process measurements and initiate actions completely independently.

Contact CAS DataLoggers today with your process monitoring requirements. We can recommend solutions that will optimize the operation of your process, improve your quality, provide historical data to support your production methods and alert you to changes in equipment performance so that preventive maintenance can be performed; preventing costly unplanned shutdowns.

For more information on Delphin Data Acquisition Systems and Data Loggers, industrial process monitoring or to find the ideal solution for your application-specific needs, contact a CAS DataLogger Application Specialist at **(800) 956-4437** or www.DataLoggerInc.com.