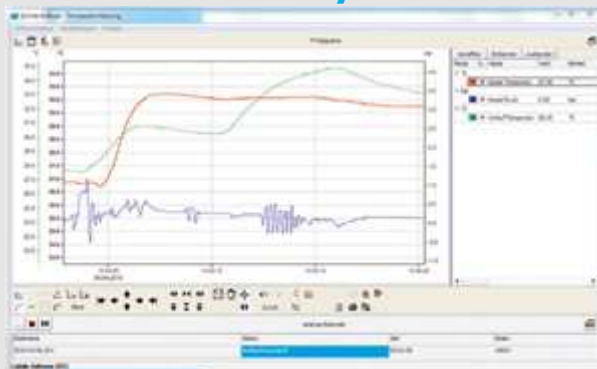


Measurement data and online / offline evaluation



The [ProfiSignal Go software](#) is a system designed for day to day acquisition and evaluation of measurement data. It can be used to import **data files into other third-party scientific analysis software**. Our customers claim that other products are incapable of such **comprehensive data evaluation** from a single measurement data acquisition device or data logger. Delphin delivers packages with both hardware and software. Delphin's ProfiSignal Go has been a driver of progress in the field of measurement technology.

Online and offline modes as a single unit

The online mode (also known as the monitoring mode) and the offline mode (also known as the analysis mode) are now a single unit. Many standard products are incapable of simultaneously evaluating and recording measurement data. With Delphin products, users can analyse historical data while data is being acquired. To switch from online to offline modes requires just a single mouse click. Data continues to be acquired and stored in the background. When switching back to online mode,

Fast access to historical data

A further issue concerning measurement data acquisition systems is the speed at which they are able to access historical data. Speed of access is related to the amount of data. Delphin products enable **lightening fast access to data** even for extended time periods. This feature means that Delphin products can be used as sub-systems in process control applications. Delphin provide a range of specialized diagram types for vibration measurement technology especially in the fields of shaft, bearing and mechanical vibrations.



Interfaces and drivers

Drivers and interfaces are available for data import/export to external hardware and software. Laboratory equipment (e.g. scales, analysis/output devices) can be connected via RS232/RS485 interfaces. A variety of protocols are available. PROFIBUS and Modbus are used for data transfer between process control systems. The online data recorded in the background, will be portrayed in the current diagram.

Application features

- Integrated analysis functions
- A range of diagrams for process and vibration data
- Certifiable and detailed reports
- Extensive time-savings through automated reporting
- Statistical functions (min, max, differences, integrals)
- Export functions (CSV)
- Comment on events and immediate output
- Fast access to historical data

An example

In a large print works, 30 Message devices acquire and process 1,200 different parameters such as pressures, temperatures, flows and energy data. The Message devices take this data and use software channels to perform online computations for consumption, averaging, meter readings and other values.

More than 3,800 measurement values and their computed output are then transmitted via a local network to a central server where they are recorded to a main database. The process data then undergoes high-resolution data analysis at regular intervals as well as in the event of a malfunction.