

ProfiSignal – Options

ProfiSignal options

A range of options are available for ProfiSignal Basic and Klicks. Single or multiple options can be acquired depending on user requirements.

Audittrail / FDA option (Basic and Klicks)

The "Audittrail" option enables monitoring systems to be validated according to the FDA21CFR11 guidelines. The audit trail automatically logs user actions as well as changes to configuration data. The log is manipulation safe. The option also includes automated versioning of ProfiSignal projects and a full system of password protection. The monitoring of measurement data such as pressure, temperatures, air humidity, particles and status is also recorded as manipulation safe. The option "Audittrail" logs any changes to the DataService/Configurator during the development phase as well as any changes to ProfiSignal applications during runtime.

Option Audittrail

Audittrail

+

Password protection

+

Versioning

+

Data encryption

AlarmManagement option (Basic und Klicks)

The ProfiSignal AlarmManagement option provides important additional functions concerning monitoring and alarms. An obvious requirement here is a user management system with different levels of access rights. ProfiSignal AlarmManagement functions also include alarm audit-trails and uninterrupted alarm recording.

The alarm management option records, visualizes and manages alarms. Email or fax messages can be sent in the event of an alarm:

- Any number of alarms can be set up using the DataService
- Alarm acquisition takes place with date and time recording at millisecond resolution
- Alarm notification via digital outputs using sound data formats or visualization objects
- Alarm history in the form of alarm lists

Alarm Time	Alarm Source	Priority	Alarm Status	Alarm Test	Alarm Source	State	Confirmation Time	Confirmation Res.
27.11.2008 14:36:25.876	Group Hydraulic	1	Group Hydraulic	Flow Overrun 80 l/min	Flow	Active		
27.11.2008 14:36:25.880	27.11.2008 14:41:40.730	1	Group Hydraulic	Pressure 2 Overrun 10 psi	Pressure 2	Done		
27.11.2008 14:36:17.452	2	Group Hydraulic	Pressure 1 Overrun 230 psi	Pressure 1	Active			
27.11.2008 14:37:22.286	2	Group Temperature	Water Overrun 80 °C	Water	Active			
27.11.2008 14:37:22.286	1	Group Temperature	Tubing Underrun 300 °C	Tubing	Active			
27.11.2008 14:37:22.286	27.11.2008 14:38:30.974	3	Group Hydraulic	Flow Overrun 80 l/min	Flow	Done		
27.11.2008 14:37:22.283	27.11.2008 14:38:11.837	1	Group Hydraulic	Pressure 2 Overrun 10 psi	Pressure 2	Done / Confirmed	27.11.2008 14:40:17.258	John.Lane
27.11.2008 14:37:22.282	27.11.2008 14:38:14.534	2	Group Hydraulic	Pressure 1 Overrun 230 psi	Pressure 1	Done / Confirmed	27.11.2008 14:40:24.430	John.Lane
27.11.2008 14:39:36.884	27.11.2008 14:42:37.034	1	Group Temperature	Water Overrun 80 °C	Water	Aborted / Confirmed	27.11.2008 14:42:42.238	
27.11.2008 14:39:36.884	27.11.2008 14:42:37.034	2	Group Temperature	Water Overrun 80 °C	Water	Aborted		
27.11.2008 14:39:32.011	27.11.2008 14:42:36.833	1	Group Hydraulic	Pressure 1 Overrun 230 psi	Pressure 1	Aborted / Confirmed	27.11.2008 14:42:37.915	
27.11.2008 14:41:32.011	27.11.2008 14:42:36.833	1	Group Hydraulic	Pressure 1 Overrun 230 psi	Pressure 1	Aborted / Confirmed	27.11.2008 14:42:45.884	
27.11.2008 14:42:26.520	27.11.2008 14:42:15.122	1	Group Temperature	Temp 1 Underrun 300 °C	Tubing	Aborted / Confirmed	27.11.2008 14:42:46.530	
27.11.2008 14:42:26.520	27.11.2008 14:42:15.122	2	Group Hydraulic	Flow Overrun 80 l/min	Flow	Aborted		
27.11.2008 14:42:26.520	27.11.2008 14:42:36.883	1	Group Hydraulic	Flow Overrun 80 l/min	Flow	Aborted / Confirmed	27.11.2008 14:42:37.915	
27.11.2008 14:42:26.524	27.11.2008 14:42:15.122	1	Group Hydraulic	Pressure 2 Overrun 10 psi	Pressure 2	Aborted / Confirmed	27.11.2008 14:42:38.569	
27.11.2008 14:42:26.524	27.11.2008 14:42:36.883	1	Group Hydraulic	Pressure 1 Overrun 230 psi	Pressure 1	Done / Confirmed	27.11.2008 14:42:38.569	
27.11.2008 14:42:26.524	27.11.2008 14:42:36.883	1	Group Hydraulic	Pressure 1 Overrun 230 psi	Pressure 1	Done / Confirmed	27.11.2008 14:42:38.569	
27.11.2008 14:42:26.524	27.11.2008 14:42:36.883	1	Group Temperature	Temp 1 Underrun 300 °C	Tubing	Aborted / Confirmed	27.11.2008 14:42:38.569	
27.11.2008 14:42:26.524	27.11.2008 14:42:36.883	1	Group Hydraulic	Flow Overrun 80 l/min	Flow	Aborted / Confirmed	27.11.2008 14:42:38.569	
27.11.2008 14:42:26.524	27.11.2008 14:42:36.883	1	Group Hydraulic	Pressure 2 Overrun 10 psi	Pressure 2	Aborted		
27.11.2008 14:42:26.524	27.11.2008 14:42:36.883	1	Group Hydraulic	Pressure 1 Overrun 230 psi	Pressure 1	Done		

Alarm table

SQL option (for Klicks only)

The SQL option links ProfiSignal data to company database or ERP systems:

- Integrated SQL interface for data exchange with other databases, e.g. for test sample parameters
- Connection to ProfiSignal via ODBC-functioning enabling read / write of data

Option Vibro (Basic und Klicks)

The ProfiSignal Vibro option extends the existing ProfiSignal functions by the following diagrams: FFT, cascade, time signal, orbit and spectrogram.

The vibro option has been specially developed for vibration measurement applications:

- Online / offline portrayal, evaluation of measured data using the Expert Vibro
- FFT, cascade, time signal and orbit diagrams

Fully integrated in ProfiSignal

The full integration of vibration analysis into ProfiSignal means Delphin systems can be used to simultaneously portray process data and vibration data as characteristic values in digital / analog displays or in graph format.

Unlimited documentation

A ReportGenerator enables user-defined documentation for vibration data as FFT or cascade graphs as well as envelope spectrum curve analysis. Orbit and trend graphs provide for the graphical representation of kinetic shaft orbits including maximum S_{\max} deflection and angular position / phase.

Extensive range of functions in one system

The ProfiSignal Vibro option provides individual shaft vibration diagnosis in gas / steam / hydro turbines, superchargers and motors. The Vibro option can also be used for bearing vibration analysis in electric motors and roller bearings.

