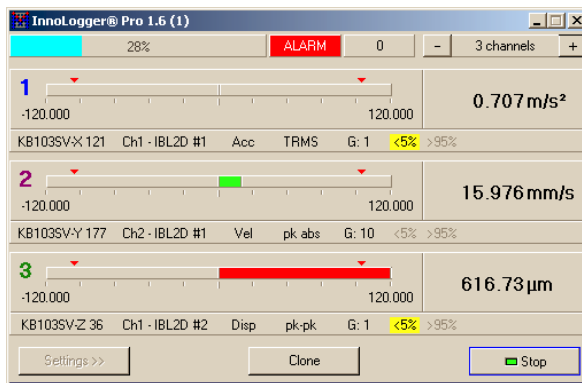
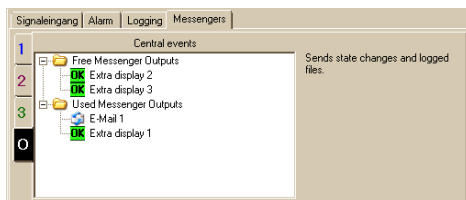




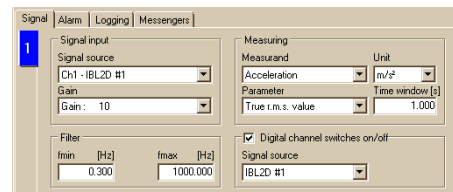
InnoLogger® Monitoring and Logging Instruments



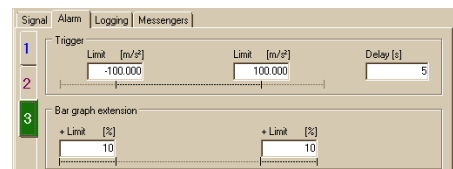
Collapsed Settings



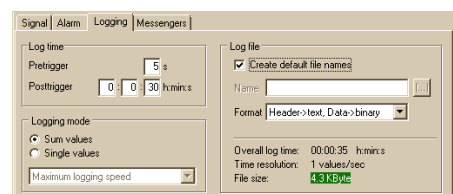
Messenger Settings



Signal Settings



Alarm Settings



Logging Settings

Application

For the monitoring of vibration parameters and their logging for later analysis, the InnoLoggers are available. Rotating parts in drives, gears, pumps, fans and many other technical products cause perturbing vibrations. Impulse-like loads, e.g. from a vibratory pile driver in the construction-field, generate problems as well. In numerous vibration standards significant vibration parameters are defined for a reliable evaluation of the vibration situation. The InnoLoggers measure these vibration parameters and monitor their level regarding the exceeding of limits. Alarming situations are signalled and allow a fast pass-fail-recognition because of coloured bars. In addition, the alarm can initiate the logging of vibration parameters. This data can be used for further analysis.

Properties

- Selectable measurand: vibration acceleration, in Pro version vibration velocity and displacement as well
- Free filter adjustment 0.1 ... 40000 Hz
- Up to 26 units, metric and imperial
- Up to 6 parameters
- 2 alarms with alarm delay

The InnoLoggers can not only log and monitor raw data in full speed, but also preconditioned parameters. In combination with event messengers, measured values and vibration states can be presented in a coloured and enlarged extra display or be sent via e-mail. Alarms can control radio switches and thus are able to switch electrical alarm lamps or horns. The e-mail messenger additionally allows sending logged data automatically.

Specification

Model	InnoLogger Pro	InnoLogger
Signal processing		
Filter	freely adjustable 0.1 ... 40000 Hz **	
Time	Freely adjustable 0.1 ... 10 s	
Measurands	AC voltage Vibration acceleration Vibration velocity Vibration displacement	AC voltage Vibration acceleration
Units	V, mV, μ V, nV, pV m/s ² , mm/s ² , μ m/s ² , nm/s ² , pm/s ² , g, mg, μ g, dB m/s, mm/s, μ m/s, nm/s, pm/s, in/s, dB m, mm, μ m, nm, pm, in, dB	V, mV, μ V, nV, pV m/s ² , mm/s ² , μ m/s ² , nm/s ² , pm/s ² , g, mg, μ g, dB
Parameters	Instantaneous value, peak value absolute, peak value positive, peak value negative, peak-to-peak value, true rms	
Graphical presentation		
Bar graph	Scale division with 10 ticks, marks for min./max. limit, colour change into green/yellow/red according to alarm state	
Numeric display	5 digits; 0.001 ... 99999	
Number of graphs	1 ... 4 per window	
Refresh	1... 4 times per second *	
Indicators	Sensor, measuring channel, measurand, parameter, gain, underload, overload, log counter	
Recommended screen resolution	800 x 600 pixels minimum; 4 channels: 1024 x 768 pixels minimum	
Alarm		
Limits	2 (1 for exceedance, 1 for under-run), -9999.999 ... 9999.999	
Alarm delay	0 ... 3600 s	
Alarm combination	And / Or	
Logging		
Pretrigger	0 ... 30 s	
Posttrigger	0 s ... 24 h	
Logging Speed	1. equal to display 1 ... 4 Hz 2. adaptive to low pass filter 3. full speed 10000 Hz	
Data format	Optionally binary or text	
Creation of file names	Automatic or preset, optional with automatically filled variables	
Event messengers		
Message to large-format screen	Single channel: Instrument:	current reading, current alarm status current alarm status
Message to radio switching socket	Single channel: Instrument:	current alarm status current alarm status
Message to digital output	Single channel: Instrument:	current alarm status current alarm status
Message to e-mail	Single channel: Instrument:	current reading, current alarm status logged data, current alarm status
Miscellaneous		
General functions	Hold function after switch-off; Instrument is cloneable	

* Centrally managed in the InnoMaster

** Usage with InnoBeamer L2: 0.3 ...2000 Hz

Our policy is to improve specification of our products continuously, so technical and production details can be changed without any notice.