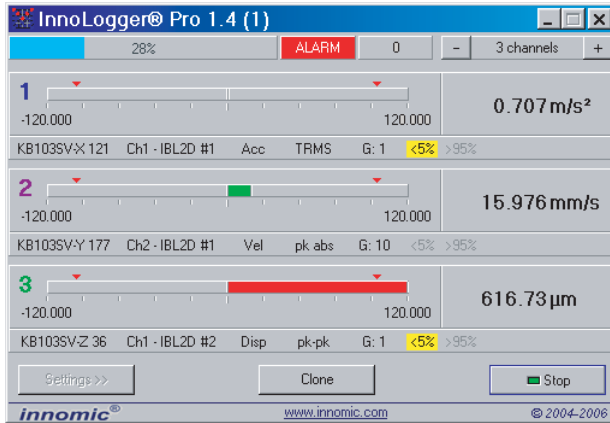


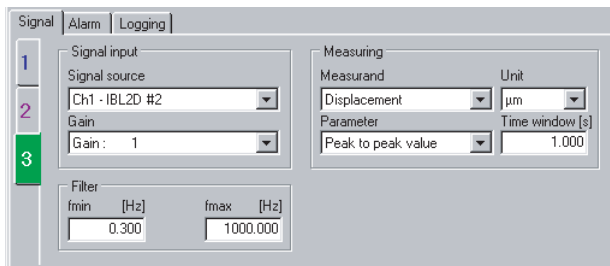


InnoLogger[®] 1.4

Monitoring and Logging Instruments



Collapsed Settings



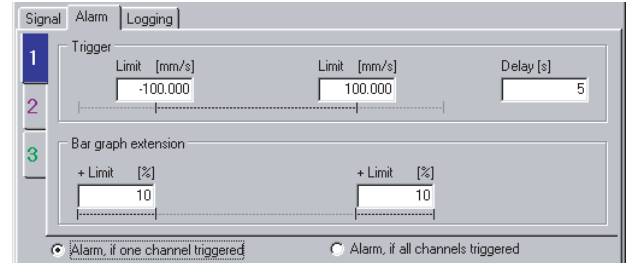
Signal Settings

Application

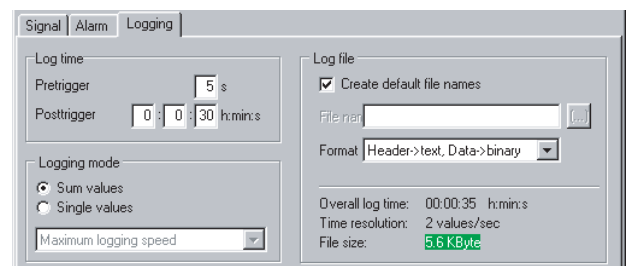
For the monitoring of vibration parameters and their logging for later analysis, the InnoLoggers are available.

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 - work-specific, national or even international, 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 signaled and allow a fast pass-fail-recognition because of colored bars. In addition, the alarm can initiate the logging of vibration parameters. This data can be used for further analysis.



Alarm Settings



Logging Settings

Properties

The InnoLoggers in Standard and in Pro Version are both universal monitoring and logging instruments for vibration parameters. The Pro Version additionally includes two integrators and is consequently able to process not only vibration acceleration, but also vibration velocity and displacement.

The following settings are possible:

- Free filter adjustment 0.3 .. 2000 Hz
- Up to 26 units, metric and imperial
- Up to 6 parameters
- 2 limits for alarm, alarm delay, alarm combination
- 3 modes selectable for the choice of the logging speed (Sum values; single values - maximum logging speed, single values - adaptive logging speed)

A highlight is the adaptive logging-speed: The data is reduced here but still the InnoLogger allows a post processing of digital data without any restrictions.

Data recording is carried out optionally binary or as text.

		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, mm, μ	
Parameters	Instantaneous value, peak value absolute, peak value positive, peak value negative, peak-to-peak value, true r.m.s.	
Graphical Presentation		
Bar Graph	Scale division with 10 ticks, marks for min./max. limit, color change into green/yellow/red according to alarm condition	
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	
Required Screen Resolution	At least 600 x 800 pixel, 4 graphs per window require a resolution of 1074 x 768 pixel	
Alarm		
Limits	2 (1 for exceedance, 1 for under-run), -9999.999 .. 9999.999	
Alarm Delay	0 .. 3600 sec	
Alarm Combination	And/Or	
Logging		
Pretrigger	0 .. 30 sec	
Posttrigger	0 sec .. 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	
Miscellaneous		
Hold Function	Yes	
Cloneable	Yes	
Leasable	Yes	

* Centrally managed in InnoMaster