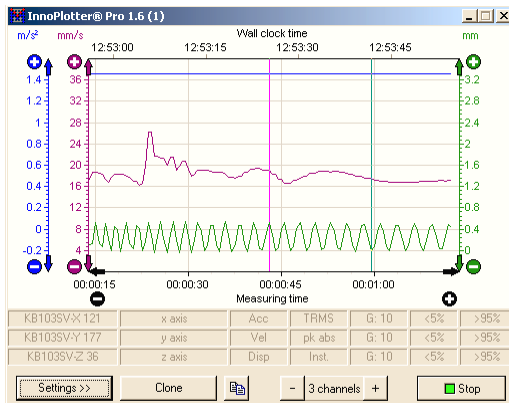


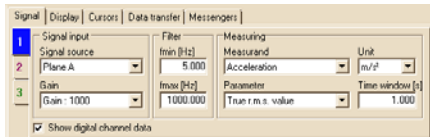


InnoPlotter®

Digital Strip Chart Recorders



Collapsed settings



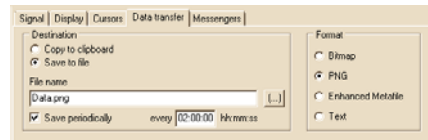
Signal settings



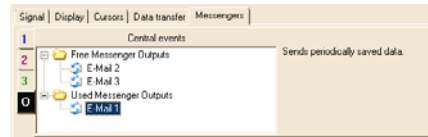
Display settings



Cursor settings



Data export settings



Messenger settings

Application

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, for instance DIN 10816, significant vibration parameters are defined for a reliable evaluation of the vibration situation. The InnoPlotters measure these vibration parameters and display their trend for a longer time graphically. Thus, they are especially convenient for longer test sequences. Weak spots in the continuous operation become obvious, the success of counter measures is proven and the compliance with limits is controlled.

Properties

The InnoPlotter is a universal digital strip chart recorder for up to four vibration parameters. It features a memory for 24 hours continuous recording and various display modes. 2 time axes are available for the absolute time and the past time since the start of measuring. Additionally to vibration acceleration, the Pro Version is also able to process vibration velocity and displacement.

The following settings are possible:

- Free filter adjustment 0.3 ... 2000 Hz
- Up to 26 units, metric and imperial
- 6 parameters

2 cursors allow the exact measurement of the data. Therefore, the time bar can be moved and spread manually. But it can also be moved automatically depending on the progress of the measurement. The export of data into other applications as graphic or text is possible without any problems. Saving measured data can be carried out manually or automated. By means of the new messenger function, the InnoPlotter can forward the automatically saved data by e-mail.

Specification

Model	InnoPlotter Pro	InnoPlotter
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	
Monitoring	Alarm value freely adjustable, alert value 0 ... 100 % of alarm value	
Graphical presentation		
Number of graphs	1 ... 4 per window	
Number of limit graphs	0 ... 8 per window	
Interval Y-axis	0.01 ... 24 h	
Interval t-axis	1 min ... 24 h	
Digital channel	Display of the variation in time of the trigger status (switchable, one measuring channel)	
Refresh	1 ... 4 times per second *	
Indicators	Sensor, measuring channel, measurand, parameter, gain, overload, underload	
Recommended screen resolution	From 800 x 600 pixels on	
Cursors		
Presentation	2 lines, optionally freely adjustable by mouse or button	
Numeric cursor data	For each cursor as well as difference cursor 2 - cursor 1	
Numeric cursor refresh	1 ... 4 times per second *	
Data export		
Controlling	Manually, time triggered, level triggered	Manually, time triggered
Formats	Bitmap, PNG, Enhanced Meta File (EMF), text	
Destinations	In clipboard or file	
Event messengers		
Message to large screen	Single channel: current reading Single channel: current alarm status Instrument: current alarm status	Single channel: current reading
Message to radio switching socket	Single channel: current alarm status Instrument: current alarm status	--
Message to digital output	Single channel: current alarm status Instrument: current alarm status	--
Message to e-mail	Time triggered sending of measured data Level triggered sending of measured data	Time triggered sending of measured data
Miscellaneous		
General functions	Hold of measured data 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.