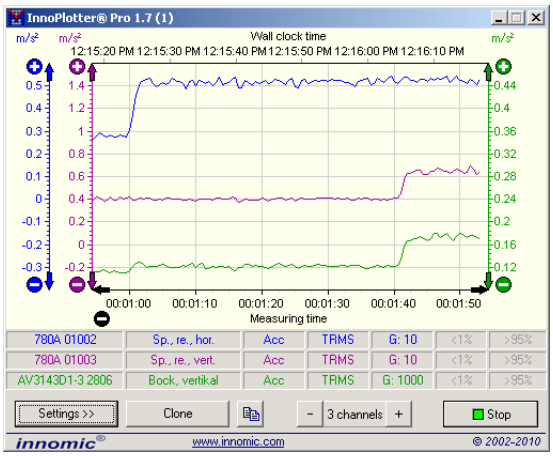
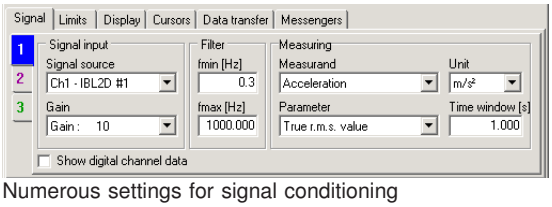
InnoPlotter® 1.7

Digital Strip Chart Recorders

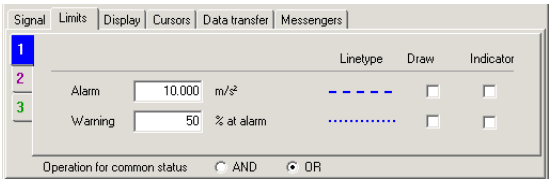
VibroMatrix®



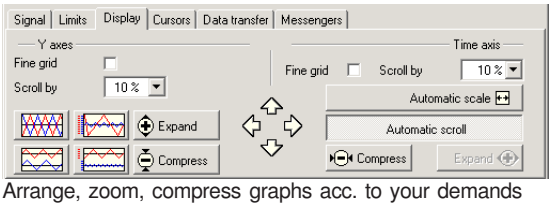
Similtaneous display of up to 4 graphs and digital mark



Numerous settings for signal conditioning



Monitor parameters with warning and alarm value

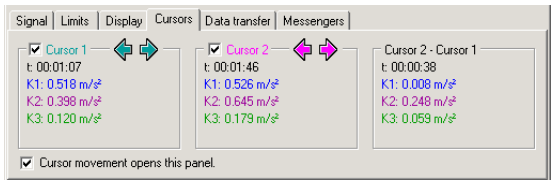


Arrange, zoom, compress graphs acc. to your demands

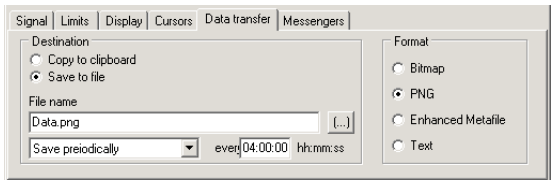
Application

Vibrations are caused by rotating parts or impulse-like loads, e.g. by a vibratory pile driver in the construction-field. In numerous vibration standards significant vibration parameters are defined for a reliable evaluation of the vibration situation.

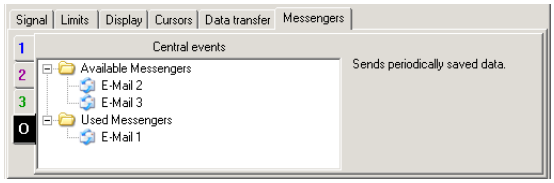
The InnoPlotters measure these vibration parameters , display their trend graphically and monitor them when required. Thus, they are especially convenient for longer test sequences. Weak spots in the continuous operation become obvious, the success of counter measures is proven and the compliance with limits is controlled.



2 cursors, display data under cursor and difference



Data export by mouse click or automated



Signal measured data and events outward

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. Furthermore, it offers optional monitoring of parameters.

The following settings are available for signal conditioning:

- Free filter adjustment 0.1 .. 40000 Hz
- Up to 26 units, metric and imperial
- 6 parameters

2 cursors allow the exact measurement of the data. Measurement graphs can be moved and spread manually or be arranged automatically. Time bar can be moved 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 triggered. By means of the messenger function, the InnoPlotter can automatically forward measured data or events, e.g. by e-mail.

Technical Data

	InnoPlotter Pro	InnoPlotter
Signal Processing		
Filter	Freely adjustable 0.1 .. 40000 Hz **	
Time Window	Freely adjustable 0.1 .. 10 s	
Measurands	AC voltage Vibration acceleration Vibration velocity Vibration displacement	AC voltage Vibration acceleration
Units	V, mV, µV, nV, pV m/s², mm/s², µm/s², nm/s², pm/s², g, mg, µg, dB m/s, mm/s, µm/s, nm/s, pm/s, in/s, dB m, mm, µm, nm, pm, in, dB	V, mV, µV, nV, pV m/s², mm/s², µm/s², nm/s², pm/s², g, mg, µg, dB
Parameters	Instantaneous value, peak value absolute, peak value positive, peak value negative, peak-to-peak value, true r.m.s.	
Monitoring	Alarm value freely adjustable, warning value 0 .. 100% of alarm value	
Graphical Presentation		
Number of Measurement Graphs	1 .. 4 per window	
Number of Limit Value Graphs	0 .. 8 per window	
Interval Y-axis	0.01 .. 10000	
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		
Control	Manually, time-triggered, level-triggered	Manually, time-triggered
Formats	Bitmap, PNG, Enhanced Meta File (EMF), Text	
Destination	In clipboard or file	
Event Notification		
Extra Display	Single channel: Currently measured value Single channel: Current alarm state Instrument: Current alarm state	Single channel: Currently measured value
Radio Switch	Single channel: Current alarm state Instrument: Current alarm state	-
Digital Output	Single channel: Current alarm state Instrument: Current alarm state	-
E-Mail	Time-triggered transfer of measurement data Level-triggered transfer of measurement data	Time-triggered transfer of measurement data
Miscellaneous		
General Functions	Measured value is held after switch off, instrument is cloneable	

* Centrally managed in the InnoMaster

** 0.3 .. 2000 Hz when working with InnoBeamer L2

Changes without prior notice

September 2010

D e u t s c h l a n d

IDS Innomic
Gesellschaft für Computer- und Messtechnik mbH
Zum Buchhorst 25

29410 Salzwedel

Tel. (03901) 305 99 50
Fax (03901) 305 99 51

email info@innomic.de
Internet www.innomic.de

I n t e r n a t i o n a l

IDS Innomic GmbH
Zum Buchhorst 25
D-29410 Salzwedel

Germany

Tel. +49 (3901) 305 99 50
Fax +49 (3901) 305 99 51

email info@innomic.de
Internet www.innomic.com