

# Exact proof of transport quality

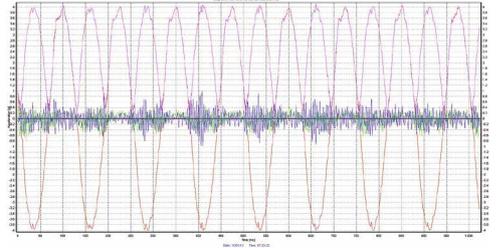
## MONI LOG<sup>®</sup> ShockDisplay curve



- Extremely robust
- Captures and saves the 100 largest mechanical shock events with signal progression
- Measures direction, strength, time, duration, minimum and maximum of the effect
- Inclination measurement on board
- Easy operation, display, alarm function, long operating time, multi-level password protection
- USB interface
- Powerful analysis software



The extremely robust measuring instrument - programmable via function keys and menu or software - stores the 100 largest impact events as well as inclination values. The measurement results are displayed on the scrollable display with various parameters as well as an alarm function. The shock and inclination events can also be stored as a signal progression for a later precise evaluation. The electronics of the data logger is specially optimized for long operating times and works with commercially available batteries. The real-time measurement makes it possible to record the measured values even during data transmission. This results in a real response time of "zero" milliseconds when events occur. Together with the file system and a USB interface, a very user-friendly software concept is implemented. A multi-level password protection is ensured. The use of state-of-the-art technology makes it possible to produce this device at a moderate price/performance ratio in compliance with EC directives.



## Technische Daten

Parameters:	100 shock events with the greatest amplitude, three-dimensional, events are also stored in the form of signal graphs with a duration of 1,024 ms at 2 kHz sampling rate, digital and analog signal filters with a stock width of 1 ... 512 Hz, display of graphs and frequency analysis according to DIN EN 13011 with the help of external software; Inclination measuring by clock pulsing monitoring as also trigger tie in 0 ... 1 Hz dynamic range
Controls:	Illuminated LC display and four function keys; displayed parameters: date, time, space vector, shock amplitude, shock duration, minimum, maximum, number of events, alarm to acceleration events; password-protected menu structure
Connections:	RS-232 and USB 1.1 to link the device to a PC for configuration and data evaluation SMA-connector for an external GPS-antenna
Case:	Aluminum, coated, IP 65 degree of protection
Ambient conditions:	-20 ... +65 °C - no restrictions; max. 98 % humidity, no dew formation for applications in different environments please enquire about custom-made solutions
Power supply:	2x size C or size D batteries of alkaline, NiMH, Li (on request) or external batteries (2 ... 10 V); 2,500 h (size C) or 6000 h (size D) operating time with alkaline batteries
Weight:	860 g incl. batteries (C), 1100 g incl. batteries (D)
Dimensions:	206 x 100 x 40 mm (C), 215 x 100 x 43 mm (D)
Fix parameters:	Measuring ranges 5, 10, 20 or 50 G and special models, filter characteristic of the digital frequency filter up to 512 Hz
Programmable parameters:	Recording threshold from 5 % of the measuring range, minimal time of event up to 1 ms, alarm threshold to shock amplitude, recording threshold to inclination measuring, ON/OFF protection, password protection, clock-time adjustment, display-language (DE, EN, FR)
Software:	WIN Vista/7/8/10, graphically and scheduler signal analysis with messaging, frequency analysis on DIN EN 13011, device parameterisation, display of device condition and active times, help function, multilingual menu navigation (DE, EN, FR)