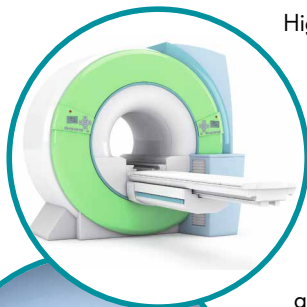


MicroShockDetector MADE IN GERMANY

SMALL LIGHTWEIGHT SHOCK DATA LOGGER



- Registers the 200 largest shock events in the X, Y, Z direction
- Saves up to 10 curve progressions of the largest shocks
- Intelligent signal filtering and evaluation
- Indicates limit value overruns with alarm LED
- Continuous temperature recording
- Intuitive operation, extremely long and independent operating time
- Communication via USB
- Easy configuration and evaluation with license-free PC software
- Configurable recording time over start-stop time
- Easy mounting with adhesive pad, screws or magnetic feet



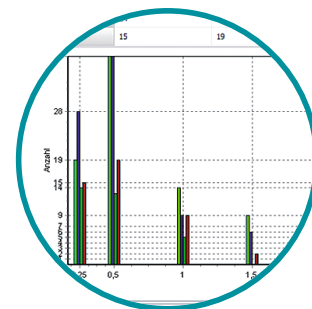
High-sensitivity devices, e.g. large, super-conducting magnets in medical technology, need a safe and demonstrable protection during transport or during storage. The compact MONI LOG® MicroShockDetector provides the best services. It is smaller than a smartphone and weighs only 180 grams.



The measuring device reliably stores all data on shocks of every dimension, assigns them to acceleration classes, provides curve progressions and reports alarms as soon as limit values are exceeded. In addition, the temperature is monitored.

The switch-on time of the MicroShockDetector is easy to configure. All data can be read out via the USB port, transferred to a PC and evaluated.

The device is quickly installed and dismantled with adhesive pads, screws or supplied magnetic holding feet. Due to the good economic and ecological parameters, the data logger can also be used only once.



Technical data

Shock parameters: 200 data record evaluation according to space vector amplitude, with curve-plots over 4 s for the 10 highest values resolution 2 ms

Acceleration sensor : 3D-MEMS, measuring range ± 8 g; 1 mg resolution
 $\pm(2\% \text{ measuring range} + 5\% \text{ measurement value})$ at 13 Hz / 20 °C
 $\pm(3\% \text{ measuring range} + 6\% \text{ measurement value})$ at 13 Hz / -20 °C / +60 °C
 filter limit frequency 25 Hz fixed-adjusted

Shock classification: Subdivision of shocks according to space vector amplitude into classes, number of shocks not limited
 > 0.25 g; > 0.5 g; > 1 g; > 1.5 g; > 2 g; > 3 g; > 4 g; > 5 g

Temperature measurement: -40 °C to +65 °C ± 1 K; 100,000 measurement values

Indication: 2 LED's, for status and alarm limit-value overshooting

Operating controls: 1 button for status indicator, ON/ OFF switching with password protection

Connections: Mini USB 2.0

Operating conditions: -40 °C to +65 °C; max. 98 % rel. humidity

Power supply: 1 replaceable lithium battery 3.6 V, type LR06 (AA, Mignon), non hazardous goods
 runtime typically 12 months in switch-on time period (depending on the device configuration)

Data receipt: Receipt of measuring data independent of battery status for a minimum of 10 years

Dimensions: 108 mm x 48 mm x 30 mm (L x W x H), 146 mm x 50 mm x 40 mm (L x W x H with magnetic feet)

Housing: Plastic housing with stainless steel base

Weight: approx. 180 g (380 g total if mounted on magnetic feet)

Protection type: IP 67

Programmable parameters: X, Y, Z registering threshold, X, Y, Z alarm threshold, minimum shock duration, temperature-measurement interval
 Start-Stop time (switch-on time period), password protection by means of free Windows software