

DIGI-SHOCK XT

Impact & Temperature Recorder



The **Digi-Shock XT** will monitor and record impact and temperature for goods in transit or storage and on equipment and structures. Records impacts up to 25g or up to 100g.* The XT is fully reusable, robust construction and IP67-specified.

Our mission control software (included) is easy-to-use and allows for quick and simple set-up of mission parameters. A mission summary provides the start and end date of the mission, highest and lowest temperature, with the largest impacts on each axis during a journey.

An LED visual indication displays when user defined alarm parameters are exceeded at any time, advising users that the monitored product may have been damaged and should be inspected immediately.



Technical Specifications

Power:

A single C-Cell battery (3.6v Lithium primary) or USB cable

- Automatic battery disconnect when USB is plugged in.

- Protection circuit to prevent device damage if batteries are installed backwards

Battery Life:

6 months

Operating Temperature:

- 40°F to 140°F (battery operating range)

Memory:

Flash memory capable of more than 1 million events. Retains data in event of power loss.

Accelerometer:

± 25g or ± 100g* on the X,Y and Z axis lines. Samples 250 times per second.

Temperature:

Read 1/minute

High Efficiency LED:

Provides real time device status

Standard A-B USB cable:

For connection to PC. No special cable required to retrieve data. Encrypted data file can be e-mailed directly back to sender for review.

Physical:

5 1/8" x 3.5/8" x 1 3/8" solid aluminum case

1.4 lbs. with batteries installed

Optional:

Metal mounting plate, replacement lithium battery, waterproof pelican case and magnetic mount plate.

Certification:

TUV, CE & CB

Specifications subject to change without notice.

Made in the U.S.A.

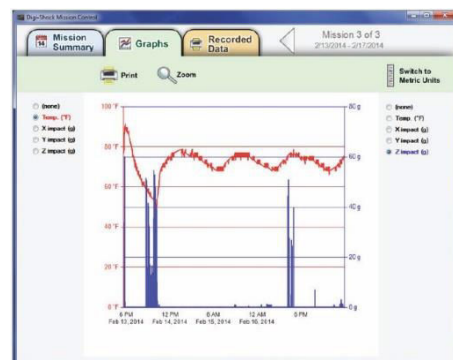
Features

- Fully reusable long-life device
- Records X, Y and Z axes and temperature
- User-defined alarm levels
- LED for normal operation & alarm
- Simple Windows based software for quick and easy set up and evaluation
- Mission data can be e-mailed or downloaded directly into the software for evaluation
- Software not required to retrieve encrypted data file at destination
- 25g model has higher data resolution
- Impact Duration (25g model only)
- Functional update every 8 hours
- Serialized identification for security
- Complete data analysis of the transportation with acceleration values on all axes and temperature
- Zoom feature for specific time slot evaluation
- Data export and print capability
- Heavy Duty aluminum IP67 specs

Mission Software



- Mission Summary provides the start and end date of the mission, plus the largest impacts on each axis during a journey.
- Mission graphs provide a detailed report of each mission. This enables customers to view every single event during a journey.



- An encrypted mission file can be downloaded and emailed without the software installed. Enables user to view the mission file (requires software) immediately without waiting for the device to be returned.
- Language selectable using Mission Control: English, German, Spanish, Chinese, Portuguese and Japanese.
- *Optional Parameters:* Set start and stop for date and time of mission. Set alarm levels for each axis individually. Set Alarm Levels for both high and low temperatures. Set g level threshold for storing data (i.e. set at 3g to record 3g or higher events). Set delta level for temperature data storage.

*Device can be ordered with g force level up to 25g or up to 100g. The 25g provides higher data resolution.



Contact Us

IMPACT-O-GRAPH Devices
IOG Products LLC
5 Great Valley, Suite 330
Malvern, PA 19355
866-913.2360
610.251.6963
www.impactograph.com