

# 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

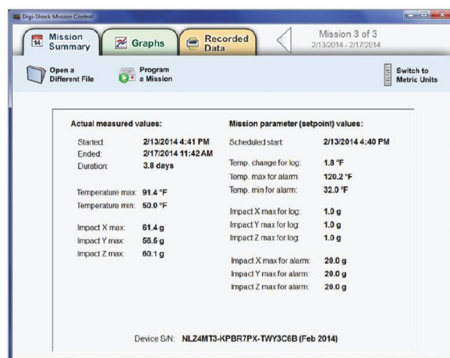
Specifications subject to change without notice.

Made in the U.S.A.

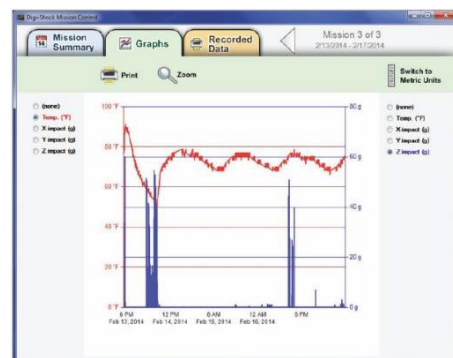
# Features

- 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

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