

DIGI-SHOCK XT

IMPACT & TEMPERATURE RECORDER

IMPACT-O-GRAPH
DEVICES

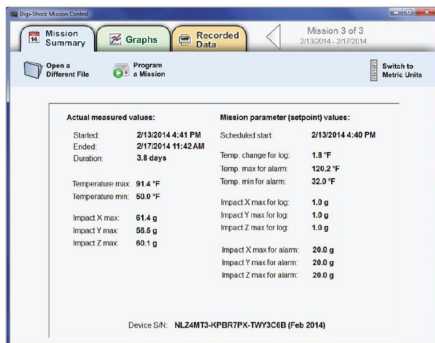
- The Digi-Shock XT will monitor and record impact and temperature on goods in transit or storage and on equipment and structures.
- Fully reusable, robust construction, IP 67 specified. Long battery life, high sampling rate for more detailed resolution. Impacts recording up to 100G and memory capabilities for up to one million events.
- An LED visual indication displays when user-defined alarm parameters are exceeded at anytime, advising users that the monitored product may have been damaged and should be inspected immediately.
- Custom alert settings can be programmed by the user to indicate what thresholds have been exceeded.
- The easy-to-use software allows a quick and simple set up of mission parameters.
- A mission file can be downloaded and emailed without the software installed. This enables customers to view the mission file immediately without waiting for the Dig-Shock XT to be returned.
- Mission Summary provides the start and end date of the mission, highest and lowest temperature, and 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.
- Data is accessible through a standard USB port. This data can be immediately viewed using the included software or emailed to colleagues if software is not available on site.



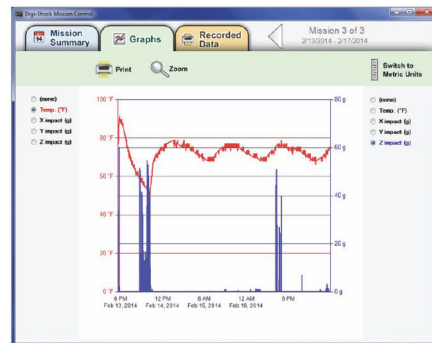
Features

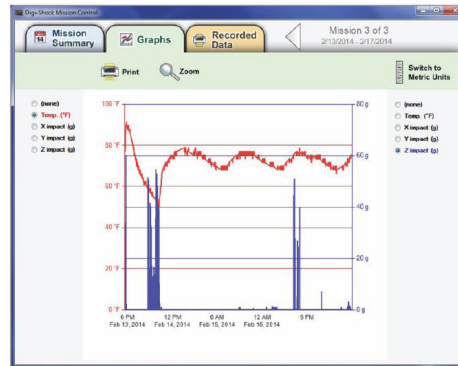
- Fully reusable long-life device
- Records X, Y and Z axes, and temperature
- User-defined alarm levels
- LED indication for normal operation and alarm events
- Simple Windows based software for quick and easy set up and evaluation
- Software not required to download data file at destination
- Serialized identification for security
- Mission data file can be downloaded and emailed or downloaded directly into software for evaluation
- Complete data analysis of transportation time showing temperature and acceleration values on all axes.
- Zoom feature for specific time slot evaluation
- Export and print capabilities for data
- Heavy Duty aluminum, IP 67 specified
- Functional update every 8 hours
- Flash memory capable of recording up to one million events.

Mission Summary



Mission Graphs





Temperature and Y axis mission graph

Technical Specifications

1. Power: A single C-Cell battery (Lithium Ion primary) or USB cable.

- Automatic battery disconnect if over-discharge is detected.
- Automatic battery disconnect when USB cable is plugged in.
- Protection Circuit to prevent device damage, if battery is installed backwards.

2. Battery Life:

- 6 months (lithium ion battery).

3. Operating Temperature:

- -40°F to 140°F (battery operating range, Lithium).

4. Memory:

- Retains data in event of power loss.
- Flash memory capable of recording up to one million events.

5. Accelerometer: ±100g on the X, Y, and Z axis lines.

- Samples 250 times per second. Virtually no impact that can escape detection.

6. Temperature:

- Read 1/minute

7. Standard A-B USB cable required for connection to a PC:

- No special cable or software needed to retrieve data file.
- Encrypted data file can be emailed directly back to sender for review.

8. High Efficiency LED:

- Provides device status in real time.

9. Physical Specs:

- 5 1/8" x 3 5/8" x 1 3/8" solid aluminum case.
- 1.4 lbs. – with battery installed.

10. Optional Mission 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 only record 3g or higher events).
- Set delta level for temperature data storage (i.e., set at 2 degrees to only record temperature when it exceeds a 2 degree difference from the previous reading).

Impact-O-Graph Devices has a complete line of products for your transportation monitoring needs.

Visit us at: www.impactograph.com