



# DIGI-SHOCK G/GT

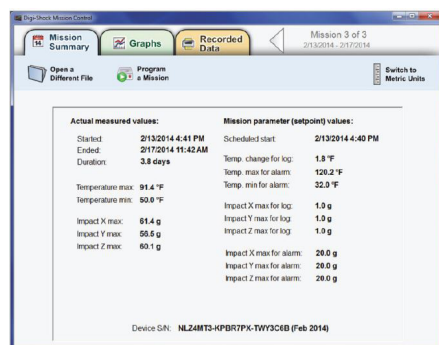
## IMPACT & TEMPERATURE RECORDER

**IMPACT-O-GRAPH**  
DEVICES

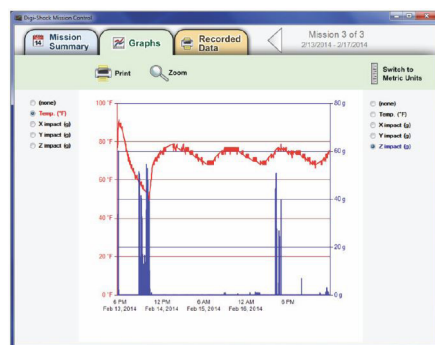
- The Digi-Shock G/GT is a reusable digital shock and temperature recorder that monitors impacts up to 100g and records temperature events.
- An LED visual indication displays when user-defined alarm parameters are exceeded at anytime, advising users that the monitored product may have been damaged and should be inspected immediately.
- 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 Digi-Shock G/GT 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.



## Mission Summary



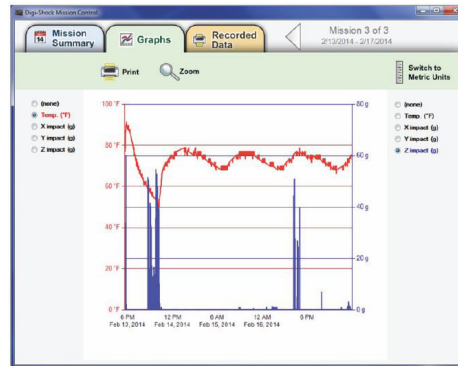
## Mission Graphs



## Features

- Fully reusable long-life device
- Records X, Y and Z axes, and temperature
- User-defined alarm levels
- LED alarm and power lights
- 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
- Simple Windows-based software for quick and easy setup of g-force and temperature parameters
- Data file of mission can be downloaded and e mailed or downloaded directly into software for evaluation
- Complete data analysis of the transportation time with acceleration values on all axes and temperature
- Zoom feature for specific time slots evaluation
- Export and print capabilities for data

Date: 2/2/16



Temperature and Y axis mission graph

## Technical Specifications

### 1. Power: A single C-Cell battery (Lithium Ion preferred, Alkaline OK) 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 batteries are installed backwards.

### 2. Battery Life:

- 6 months (lithium ion batteries).

### 3. Model GT Operating Temperature:

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

### 4. Memory: Flash memory capable of more than 1 million events.

- Retain data in event of power loss.

### 5. Accelerometer: $\pm 100g$ on the X, Y, and Z axis lines.

- Samples 250 times per second.
- Readings are automatically compensated for time and temperature drifts.

### 6. Temperature:

- Read 1/minute

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

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

### 8. High Efficiency LED:

- Provides device status in real time.

### 9. Physical Specs:

- 5" x 3.5" x 1.5" plastic case.
- 8 ounces – with batteries installed.

### 10. Optional metal mounting plate if necessary.

### 11. 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](http://www.impactograph.com)**.