

# SHOCKLOG 248 & 208



ShockWatch® ShockLog 248 and 208 monitor and record impacts and environmental conditions experienced by any type of structure or equipment, whether it's in use, in transit, or in storage. The devices alert you whenever damage may have occurred so you can respond promptly. ShockLog impact recorders help deter mishandling by increasing accountability at every step of the journey.



Use ShockLog 248 & 208 with:

- Oil drilling and equipment
- Building structures and foundations
- Warehouses and storage facilities
- Packaging and vehicles in supply chain
- Lasers, missiles, and satellites
- Power transformers
- Nuclear materials
- Motors/pumps
- Biomedical supplies
- Wind turbines
- Rail cars
- ...and much more

## ■ Benefits

- Decrease damage-related costs
- Deter improper handling and operation
- Help identify opportunities for improvement through journey profiling
- Allow sender to respond to mishandling before customer installation
- Alert recipients and operators to inspect goods and equipment for potential damage
- Help determine when and where unacceptable conditions occur, and establish accountability
- Allows for corrective action

# SHOCKLOG 248 & 208

## ■ Features

- Record max peaks X, Y, and Z and internal temperature
- Record impact events (only available on 248)
- Temperature/humidity sensor built into unit (optional on both 248 & 208)
- Field-proven triaxial piezoelectric accelerometer technology
- iButton® and USB data transfer options
- Self-contained unit design, free of cables and wires
- User-definable alarm levels
- LED lights for visual notification of alarms and warnings
- Programmable wake-up values for maximizing battery life
- IP67-rated, RF-screened
- Show direction of impact—X, Y, and Z

## ■ Software

Interface with your ShockLog device through a simple Windows®-based software program. Clear instructions allow for quick deployment and easy data analysis. The ShockLog Report View provides an overview of the entire journey. Both ShockLog 248 and 208 provide peak acceleration values for all three axes reported on a time basis. The ShockLog 248 also provides a detailed plot of impacts. Zoom in for a closer view, or export data into programs such as Excel and Matlab for more detailed analysis.

## ■ Data Transfer

The iButton allows for easy access control during startup, shutdown and setup. A full-journey report can be downloaded using the iButton while keeping the unit secure and tamper proof.

## ■ ShockLog 248 Specifications

- Records first plus the 14 most severe events (detailed curves)
- Delivers notification of up to 128 events (event summary log)
- Up to 262,000 time slots

### Operating Temperature Range

-40°F/-40°C to 185°F/85°C

### Size

3.3"/84mm x 3.3"/84mm x 2.2"/55mm

### Weight

1.1lbs / 445g (without battery)

### Battery

1 x 3.6V Lithium Thiorxyl Chloride  
1 x 1.5V Alkaline Size AA

### Battery Life

12 months

### Scale Factor Accuracy at 5G

+/- 2%

### Acceleration Range (Factory Set)

+/- 10G, +/- 30G, +/- 100G

### Cut-off Frequency Options (Factory Set)

40Hz, 90Hz, and 250Hz

### Wake-Up Threshold (% of Range)

5-95%

### Warning and Alarm Threshold (% of Range)

5-95%

### Wake-Up Time

0.25mS

## ■ ShockLog 208 Specifications

- Up to 262,000 time slots

### Operating Temperature Range

-40°F/-40°C to 185°F/85°C

### Size

3.3"/84mm x 3.3"/84mm x 2.2"/55mm

### Weight

1.1lbs / 445g (without battery)

### Battery

1 x 3.6V Lithium Thiorxyl Chloride  
1 x 1.5V Alkaline Size AA

### Battery Life

12 months

### Acceleration Range (Factory Set)

+/- 10G, +/- 30G, +/- 100G

### Cut-off Frequency Options (Factory Set)

40Hz, 90Hz, and 250Hz

### Time Slot Length

10 seconds to 1 hour

## ■ Humidity / Temperature Factory Fit Option (ShockLog 248 and 208)

### Humidity

0-100% RH

### Temperature

-40°F/-40°C to 185°F/85°C

### Dew Point

-40°F/-40°C to 185°F/85°C  
0-100% RH

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# SHOCKWATCH®

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