ShockWatch® 2 Impact Indicators

ShockWatch® Impact and Environmental Recorders monitor critical parameters and provide evidence that a shipment, equipment, or building has experienced conditions that may have compromised its integrity, performance, or safe operation.

Impact Recorders

ShockWatch® Impact & Environmental Recorders continually monitor and record the shock, vibration and environmental conditions experienced by structures, facilities and equipment during transit, storage and operation. These products record the direction, amplitude, and duration of impacts and internal temperature.

Optional sensors record temperature, humidity, atmospheric pressure, tilt and roll. A GPS/ GPRS tracking module is available to pinpoint the location of mishandling or exposure to unfavorable conditions. ShockWatch recorders help deter, monitor and minimize damage.

ShockLog 298

Records the date and time of up to 870 shock events, vibration, peak values (x,y, and z), internal temperature and summary data.

ShockLog 248

Records the date and time of up to 15 shock events, peak values (x, y, and z), internal temperature and summary data.

ShockLog 208

Offers an entry-level impact monitoring solution of peak values (x, y, and z) and internal temperature.

g-View

A low-cost option ideal for monitoring excursions (x, y, and z) and internal temperature.

Benefits

- Helps identify optimal modes of transportation, routes, packaging, storage options, and operational conditions through full-journey profiling

- Deters improper handling and operation

- Alerts recipients and operators to inspect goods and equipment for potential damage

- Isolates when and where unacceptable conditions occur and aids in the identification of accountable parties

- Allows for corrective action in cases of potential impact, vibration, tilt, roll, temperature, humidity, and pressure extremes

- Pinpoints potential areas for improvement in operational or shipping and handling processes

- Confirms acceptable conditions during equipment operation, shipping and handling, and storage

ShockWatch® Impact Recorders

Shared Features

- Field-proven triaxial piezoelectric accelerometer technology
- Self-contained unit design, free of cables and wires
- User-definable alarm levels
- LED lights for visual notification

Feature Comparison Guide

	g-View	ShockLog 208	ShockLog 248	ShockLog 298
Selection Criteria	Low-cost threshold monitor; simple software with export to Excel	Low-cost solution not requiring event information	Full-journey profiling impact recorder at a low price point	Complete journey profiling Expandability for future requirements Vibration (gRMS) monitoring
Recorder Type	Event threshold	Time slot (max peak)	Event & time slot (max peak)	Event & time slot (max peak)
Standard Measurements	Triaxial over threshold and internal temperature	Triaxial max peak and internal temperature	Triaxial acceleration and max peak and internal temperature	Triaxial acceleration, gRMS vibration, max peak, and internal temperature
Number of Events	Up to 100 per axis	N/A	Up to 15 (1st plus 14 most significant)	Up to 870
Amplitude Scale	Fixed scale: 10g or 25g	Fixed scale: 10g, 30g or 100g	Fixed scale: 10g, 30g or 100g	User-programmable: 1g, 3g, 10g, 30g, 100g or 200g
Frequency Filter	Fixed value: 25Hz or 40Hz	Fixed value: 40Hz, 90Hz, 250Hz	Fixed value: 40Hz, 90Hz, 250Hz	Fixed value: 10Hz, 40Hz, 50Hz, 90Hz, 120Hz, 250Hz
Battery Life	Up to 6 months Single AA alkaline	Up to 12 months One AA size 3.6V lithium battery recommended	Up to 12 months One AA size 3.6V lithium battery recommended	Up to 18 months Two AA size 3.6V lithium batteries recommended
Expandability	N/A	Temperature / Humidity	Temperature / Humidity	Temperature / Humidity Temperature / Humidity / Pressure Tilt and Roll GPS Coordinates
Alert	LED - alarm	LED - running and alarm	LED - running and alarm	LED - running, warning, and alarm
Data Transfer/ Communication	i-Button® interface	USB & i-Button® interface	USB & i-Button® interface	USB & i-Button® interface Optional RF interface
Ingress Protection	IP65	IP67	IP67	IP67

ShockWatch can help you set up a damage reduction program tailored to your unique circumstances.
For more information, please contact your ShockWatch representative.