

ENVIRONMENTAL RECORDERS



ShockWatch® Environmental Recorders are portable data loggers that monitor and record temperature and humidity for products during transportation and storage. Collected data can be easily analyzed in graphical or tabular form. Reporting tools deliver key environmental parameters for complete documentation of the shipping and handling environment.

TrekView™: This device monitors and records temperature through a single channel.

TrekView-H™: This device monitors and records temperature and humidity through dual channels.



Use Environmental Recorders on:

- Biomedical and pharmaceutical products
- Photographic chemicals and supplies
- Perishable food products
- Sensitive electronics
- Agricultural plants
- Wood products
- Medical devices
- Cold storage facilities
- Ammunition
- Livestock
- ...and much more

■ Benefits

- Reduces product damage and loss during shipping, handling, and storage
- Provides ongoing record of unacceptable exposure, including precise time and date
- Protects the quality and integrity of products
- Encourages adherence to product storage and handling temperature requirements
- Ensures safety and health compliance
- Ensures chain of accountability in storage and transportation
- Identifies potential product quality problems before delivery to end-user
- Protects against / reduces warranty claims
- Pinpoints trouble spots in storage and transportation
- Enables control of energy costs
- Increases customer satisfaction and provides a visible marketing edge

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■ Features

- Programmable to begin operation at a future date and time
- Date and time stamp for alarms
- Large data memory size
- Precision temperature and humidity sensors
- Visible status alert to indicate normal operation (green LED) and alarm conditions (red LED)
- Fast data retrieval does not interrupt recording operation
- No delay after set-up
- Memory and set-up are saved, even upon battery removal
- Pocket-portable
- Rugged construction built to withstand harsh field conditions
- Extended battery life
- CE certified
- Robust reporting tools
- Ease of set-up
- Intuitive software

■ TrekView™ Specifications

Operating Range
-22°F / -30°C to 150°F / 66°C

Accuracy
+ / - 0.3°F (temperature)

Temperature Resolution
0.1°F

Intervals
10 seconds to 24 hours

Memory
100,000 samples

Battery
2 AAA Alkaline
5 years at 15-minute intervals

Enclosure
4.5" x 2.8" x 0.9"
114.3mm x 71.12mm x 22.86mm

Sensor
Band gap

Weight
100g without battery

Alarms
High / low limits exceeded
Pass / fail alarm indicator

■ TrekView-H™ Specifications

Operating Range
-30°F / -34°C to 150°F / 66°C
0–100% RH

Accuracy
+ / - 0.3°F (temperature)
+ / - 3% from 10–90% (humidity)

Temperature Resolution
0.1°F

Humidity Resolution
0.1%

Intervals
10 seconds to 24 hours

Memory
100,000 samples

Battery
2 AAA Alkaline
5 years at 15-minute intervals

Sensors
Band gap (temperature)
Capacitive polymer (humidity)

Enclosure
4.5" x 2.8" x 0.9"
114.3mm x 71.12mm x 22.86mm

Weight
100g without battery

Alarms
High / low limits exceeded
Pass / fail alarm indicator

■ Software

The TrekView™ software is an easy-to-use, Windows®-based application. The intuitive set-up process allows for quick deployment of the logger. Powerful tools report key environmental parameters such as minimum, maximum, and average temperature and humidity; mean kinetic temperature (MKT); and number and percentage of measurements in and out of range. Data can be displayed, analyzed, and printed in graphical, tabular, or text formats — and then exported to Microsoft® Excel for further analysis. These extensive capabilities enable complete visibility of the environmental conditions that affect product quality.

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SHOCKWATCH®

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