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Temperature Indicators for Environmentally Sensitive Goods

Monitor the temperatures that your perishable, fragile, or sensitive goods are subjected to during transit. ShockWatch Environmental Indicators monitor temperatures during shipping and storage, indicating whether goods have been subjected to unacceptable conditions.

ShockWatch Environmental Indicators

Affixed directly to your products' packaging, these reliable temperature indicators provide indisputable visual evidence of exposure to unacceptable temperature levels, protecting product quality throughout the entire shipping and handling process.



ColdMark®

Encased in a cylindrical tube, specially formulated fluids turn from clear to violet when exposed to temperatures below the predetermined activation temperature level. Four activation temperatures cover a broad spectrum of applications. Simply peel the release liner off the back of the indicator and apply the pressure-sensitive adhesive backing to any dry surface to activate and apply.



WarmMark®

With this temperature indicator, a proprietary red dye is released onto a blotter to clearly indicate when your shipment is exposed to temperature levels above your predetermined level, creating a permanent and immediate indication of the duration of exposure. Activation of the device is simple — remove the tab and barrier film and apply to a dry surface on your product or packaging.



WarmMark® Duo

This device monitors the exposure and duration of exposure of a product that exceeds two activation temperature levels.



WarmMark® Long Run

This device utilizes the same chemistry proven in the WarmMark Indicators while allowing for a longer exposure to temperatures that exceed the threshold level.



HeatWatch®

This proprietary device monitors products that have been exposed to extremely high temperatures that exceed a specified level. After a minimum of 30 minutes, the device turns from pink to red to indicate unacceptable exposure.



TempMark™ 8

An innovative, cost-effective, disposable temperature-monitoring device for temperature-sensitive shipments. Field-activated and highly accurate, the device records temperature excursions beyond as many as eight thresholds simultaneously. The digital display shows the total number of excursions per threshold, the duration of the longest excursion, and the cumulative duration of all excursions — all the information you need for complete cold chain management.

Features Designed for Maximum Performance:

ShockWatch's Temperature Indicators feature:

- A wide variety of temperature thresholds
- Visible deterrent to mishandling
- Irreversible indicator — once activated, there is a permanent record of exposure
- Easily identified potential product spoilage from exposure to extreme temperatures
- Tamper-proof designs that prevent concealment of activation/response without obvious evidence of interference
- Easy installation with removal of adhesive tab (for WarmMark products, arming requires removal of tab)
- A nominal size for a variety of placement options

* WarmMark® and ColdMark® products are trademarks of IntroTech.

The ShockWatch Program

A key element in the success of ShockWatch Environmental Indicators is the available companion tools. Used in conjunction with the labels, these tools include alert stickers, alert tape, and supporting documentation. The complete product offering constitutes a highly effective damage reduction and prevention program.

Implementation of this damage prevention program provides psychological reinforcement of proper handling procedures and changes the behavior of material handlers. It provides a highly visible deterrent to mishandling throughout the supply chain.

This program is most successful with collaboration from the carriers: the shipping, warehousing, and packaging departments.

Additional Information

[Environmental Indicators Overview](#)
[Product Specifications](#)
[Parts & Replacement Parts Catalog](#)
[Case Studies](#)

Downloads

[Environmental Indicator Data Sheet](#)
[TempMark™ 8 Data Sheet](#)
[Featured Application: Food and Beverage](#)
[Featured Application: Pharma/Bio](#)
[Island Creek Oysters Case Study](#)

Benefits for Your Business

[This interactive exercise shows how Shipping & Handling Monitors will benefit your business.](#)

Benefits for a More Profitable Business

ShockWatch's Temperature Indicators:

- Reduce product damage and loss incurred during transportation and storage
- Provide psychological reinforcement to ensure adherence to optimal temperature conditions
- Provide indisputable evidence of exposure to unacceptable temperature conditions
- Alleviate safety concerns surrounding bacterial growth, infection, and contamination while shipment is in transit
- Allows for extremely precise, targeted monitoring of temperatures and duration of excursions
- Helps monitor the shelf life of the shipped product
- Helps verify the adequacy of packaging
- Ensure compliance with health standards
- Ensure quality of the product throughout transportation cycle
- Identify potential unacceptable product quality before delivery to end-user
- Alert recipient to inspect contents before acceptance
- Ensure chain of accountability in storage and transportation
- Protect against/reduce warranty claims
- Identify trouble spots in storage and transportation
- Increase customer satisfaction and provide a visible marketing edge

Environmental Indicator Applications:

Protect a wide range of environmentally sensitive goods, including:

- Frozen/refrigerated food
- Fresh food
- Blood/plasma products
- Vaccines
- Serums
- Chemicals
- Adhesives
- Cosmetics
- Electronic components/products
- Photographic chemicals/supplies
- Pharmaceuticals
- Live plants
- Live animals

The ShockWatch program includes the following:

Alert Sticker:

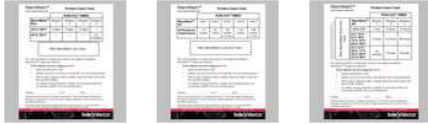
Affixed to the Bill of Lading, it cautions the carrier and consignee that the shipment is monitored

Companion Label:

Provides an additional visual warning and instructions on what to do if mishandling occurs
Click image to enlarge

**Insert Cards:**

Provides additional information on handling
Click image to enlarge

**Alert Tape:**

Provides a visual warning against mishandling

**Consultation:**

A ShockWatch representative will assess your specific requirements and work with you to develop strategies for success

Ongoing Customer Support:

ShockWatch representatives are always available to assist you in defining your program and ensuring its success

ShockWatch alert stickers and alert tape available separately. Contact us for refills.

Contact Us

To learn more about any of our Shipping & Handling Monitors or other damage prevention products, please [contact us](#).

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