

# TEMPERATURE LABELS

**A complete line of low cost temperature monitoring products for shipping in today's environments.**



Media Recovery's line of temperature monitoring products are designed for application directly to your product to immediately indicate if shipments have been subjected to temperature extremes beyond what you would expect. All of Media Recovery's temperature monitoring products have applications on a wide variety of products that include: computer components, pharmaceuticals and blood products, cosmetics, avionics, adhesives, plastics, chemicals, photographic supplies, and food products as well as shipments of live plants and animals.

Guaranteed to work within plus or minus 1 degree of the response temperature, MRI's temperature indicators offer the highest level of accuracy available in the industry. With this in mind, MRI's temperature indicators keep you in control even after your product has been shipped. In addition, the confidence in knowing that all MRI temperature monitoring products are consistent, irreversible, tamperproof and easy to read, provides a strategic value-added plus to you and your product.

## Benefits of Monitoring Temperature

If you could alter or even control the environment in which your products were shipped, would you? For over 20 years Media Recovery has been marketing temperature, shock, and tilt monitoring devices for transporting products in different shipping

environments. With this experience we have found many benefits to monitoring the temperature environment of your products

- Quality assurance to your customer
- Forewarning of product integrity upon delivery
- Field testing shipping environments
- Ongoing temperature monitoring programs on equipment
- Protection against warranty abuse
- Substantiating damage claims
- Adding to your ISO 9000 program
- Carrier control

## Heatwatch- Monitoring for Heat Sensitive Products

If you have product that is affected by high temperatures, such as foods or chemicals, Heatwatch is your monitoring solution. The Heatwatch label changes color from clear to red once the packaging or freight is exposed to heat beyond the maximum temperature indicated on the label. Simply peel the adhesive backing to irreversibly activate the label.



## Heatwatch Specifications:

<b>Size:</b>	1.5" x 1.5"
<b>Temperature Range:</b>	85° F to 320° F (broad number of temp. ranges available)
<b>Exposure Time:</b>	30 seconds minimum
<b>Shelf Life:</b>	2 years
<b>Adhesive:</b>	1 mil Flexcon Acrylic L-23
<b>Adhesive Characteristics:</b>	320° F maximum (higher temp available upon request)
<b>Material:</b>	Metallic polyester film



## Coldmark: For Monitoring Damaging Cold Temperatures

Concerns about the cold affecting the quality of your product can be laid to rest due to MRI's ColdMark temperature indicator. ColdMark accurately shows if your product has been exposed to cold below a selected temperature. Its colorless indicator bulb turns an irreversible violet color as the temperature falls below the indicator's response temperature.

### Using the ColdMark

Simply peel the release liner off the back of the indicator and apply the pressure-sensitive adhesive backing to any dry surface and your product is under control.

#### ColdMark Specifications:

- Product Sizes:** 3.25" x .75" x .38 "
- Response Temperatures :** 32°F/0°C and 26°F/-3°C
- Exposure Time:** 30 minutes
- Shelf Life:** 1 year
- Temperature Durability Range:** Store above response temperatures up to 110°F/43°C

ColdMark can be placed on the exterior or the interior of a shipping container, but not exposed where it could be crushed.

## WarmMark - For Monitoring the Duration of Damaging Temperatures

WarmMark not only measures if your product has been exposed to an extreme temperature, but indicates the duration of exposure. The benefit of a time-temperature tag is the knowledge that although the product has been exposed to unforeseen temperatures, the length of exposure may not anticipate spoilage.

Application of WarmMark is simple. Remove the activation tab and barrier film and then apply to a dry surface of your product or packaging. From that point on, if the product is exposed above its response temperature, the chemical reaction in the pad will cause the appropriate window to change color.



### WarmMark Specifications:

- Product Size:** .75" x 1.81" x .06"
- Temperature Range:** Response temps from -18°C/0°F to 37°C/99°F
- Exposure Times:** 15-20 minutes, 50-90 minutes, 5-7 hours; non standard tags are available with longer exposure times (up to 48 hours)
- Shelf Life:** 1 year

## ABOUT MEDIA RECOVERY

Media Recovery, Inc. (MRI) develops and markets a broad range of shock, tilt and temperature monitoring and damage prevention products. MRI products, known for high quality, excellent reliability and leading technology, are distributed worldwide by a direct sales force along with a network of strategic partners and resellers. Founded in 1974, the company is headquartered in Dallas, Texas and is privately owned.

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