

# TILT INDICATORS



ShockWatch Tilt Indicators detect and record unacceptable tilting on goods that must remain upright. Removal of the adhesive backing activates the devices. Once applied to the shipping container, the product cannot be tipped without indisputable evidence of mishandling. The TiltWatch and the TiltWatch Plus are reliable and economical solutions to prevent damage to goods in transit.

**TiltWatch™:** This indicator turns red if the product it is affixed to is tilted or completely upended — but remains unaffected by movement due to normal handling conditions and aircraft take-offs.

**TiltWatch Plus™:** This indicator provides 360° monitoring — indicating the exact angle of tilt or whether complete overturn occurred.



## ■ Benefits

- Reduces product damage and losses incurred during transportation
- Provides simple, cost-effective prevention of tilting
- Provides indisputable evidence of tilt
- Acts as a visual deterrent to improper handling
- Affixes directly to goods or packaging for clear visibility
- Ensures chain of accountability for all product handlers
- Alerts recipient to inspect contents before acceptance
- Protects against/reduces warranty claims
- Ensures quality of product from dock to dock
- Increases customer satisfaction and provides a visible marketing edge

Use Tilt Indicators on:  
Commercial appliances  
Large computer rack systems  
Telecommunications equipment  
Compressors  
Industrial batteries  
Hazmat containers  
Electronic cabinets  
Automotive parts  
And much more

**SHOCKWATCH®**  
DAMAGE PREVENTION. WE'RE ON IT.

# TILT INDICATORS

## ■ Features

- Tilt detection for a wide array of product types and sizes
- Easy to install and activate with removal of adhesive backing
- Tamper-proof design prevents concealment of activation without obvious evidence of interference
- Immune to normal handling conditions and aircraft take-off angles
- Moisture-proof vacuum seal allows for use in humid applications such as ocean cargo
- Inversion indicator registers complete overturn (TiltWatch Plus only)

## ■ The ShockWatch Program

A key element in the success of the TiltWatch and TiltWatch Plus is the supporting program of companion tools. Companion labels, alert stickers, and caution tape affixed alongside the Tilt Indicator products are a highly visible notification to alert handlers that the product is being monitored and provide directions to receivers in the case of mishandling. When combined with the companion tools, the TiltWatch and TiltWatch Plus products promote quality and accountability in the shipping and handling of goods.

## ■ TiltWatch Specifications

Operating Temperature  
-40°F/- 40°C to +140°F/+60°C

Humidity Tolerance  
5% to 99% non-condensing

Size  
2.9" x 2.7" x 0.2"

Activation Angle  
80° +/- 5% from vertical

Monitoring Range  
Single plane

Composition  
Rigid polystyrene housing with stainless steel indicator

Installation  
Pressure sensitive adhesive or holes to accommodate screws, nails, and staples

Adhesive  
5 mil high tack acrylic

Shelf Life  
2 years from date of sale

## ■ TiltWatch Plus Specifications

Operating Temperature  
-40°F/- 40°C to +140°F/+60°C

Humidity Tolerance  
5% to 99% non-condensing

Size  
4.6" x 4.6" x 0.3"

Activation Angle  
10° increments from 30° axis (+/- 5%)

Monitoring Range  
360° monitoring within a single plane

Composition  
Clear PTE housing and brass, non-magnetic indicator

Installation  
Pressure-sensitive adhesive exposed when liner and arming pin are peeled away

Adhesive  
1 mil high tack acrylic

Shelf Life  
2 years from date of sale