



ShockWatch® Tilt Indicators detect and record unacceptable tilting of 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. TiltWatch® XTR and TiltWatch® Plus are reliable and economical solutions to prevent damage to goods in transit.

**TiltWatch XTR:** 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 takeoffs.

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

**Benefits:**

- ° Provides indisputable evidence of tilting
- ° Ensures quality of product
- ° Reduces product damage and losses incurred during transportation
- ° Provides simple, cost-effective prevention of tilting
- ° 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
- ° Increases customer satisfaction and provides a visible marketing edge
- ° Patented design prevents false activation from random vibration
- ° Unique identifier eliminates requirement for custom serialisation

**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 takeoff angles
- ° Moisture-proof vacuum seal allows for use in humid applications e.g. ocean cargo
- ° Inversion indicator registers complete overturn (TiltWatch Plus only)

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

## TiltWatch Labels

**Product Codes:** 32397 TiltWatch XTR  
32476 TiltWatch Companion Label  
32211 TiltWatch Plus

**Series:** ShockWatch

**Typical Applications**

- ° Large computer rack systems
- ° Telecommunications equipment
- ° Commercial appliances
- ° Automotive parts
- ° Compressors
- ° Industrial batteries
- ° Hazmat containers
- ° Electronic cabinets

**TiltWatch XTR Specifications**

Operating Temperature: - 40°C to +60°C  
Humidity Tolerance: 5% to 99% noncondensing  
Size: 73.66 x 68.58 x 5.08 mm  
Activation Angle: 80° +/-5% from vertical  
Monitoring Range: Single plane  
Composition: Rigid polystyrene housing with non-magnetic stainless steel indicator  
Installation: Pressure-sensitive adhesive or holes to accommodate screws, nails, and staples  
Adhesive: 2 mil high tack acrylic  
Shelf Life: 2 years

**TiltWatch Plus Specifications**

Operating Temperature: - 40°C to +60°C  
Humidity Tolerance: 5% to 99% noncondensing  
Size: 116.84 x 116.84 x 7.62 mm  
Activation Angle: 10° increments from 30° axis (+/-5%)  
Monitoring Range: 360° monitoring within a single plane  
Composition: Clear PTE housing and brass, nonmagnetic indicator  
Installation: Pressure-sensitive adhesive exposed when liner and arming pin are peeled away  
Adhesive: 1 mil high tack acrylic  
Shelf Life: 2 years

