

Tilt Indicators

ShockWatch tilt indicators detect unacceptable tilting on goods that must remain upright. When these indicators are used, the product cannot be tipped without indisputable evidence of mishandling.

TiltWatch XTR®

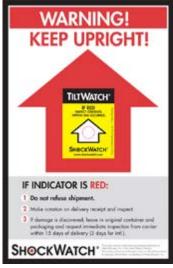
The TiltWatch XTR is a single-use tip indicator used to monitor goods that must remain upright. When attached to a package, the TiltWatch XTR turns red if the package is tilted past 80°. However, the indicator remains unaffected by movement due to normal handling conditions.



TiltWatch Plus®

TiltWatch Plus indicates whether there has been tilt to the left or right, the degree of the tilt, or if complete overturn has occurred





Tiltwatch XTR companion label

BENEFITS

- Reduces mishandling during transportation or storage
- · Provides indisputable evidence of mishandling
- · Acts as a visual deterrent to improper handling
- · Alerts recipient to inspect contents before acceptance
- Promotes chain of accountability for all product handling
- · Confirms effectiveness of packaging
- Helps identify trouble spots in supply chain, from production to transportation and storage
- · Helps increase quality of product from dock to dock



Tiltwatch Plus in this photo is featured with a companion label.



Damage Prevention and Safety Solutions

Tilt Indicators

Product Selection Guide	TiltWatch XTR	TiltWatch Plus
Sensor type	Steel disc, non-metallic Glass balls	
Arming method	Remove adhesive backing	Remove adhesive backing
Serialized	Yes	Yes
Indicates tilt direction	No	Yes
Indicates degrees of tilt	No	Yes
Inversion indicator	No	Yes
Activation angle	Greater than 80° 30° with 10° increments to 90°	

TiltWatch XTR Specifications		
Monitoring range	Single plane	
Tolerance	±5° at 20°C / 68°F, 1 ATM	
Operating temperature and humidity	-40°C to 60°C / -40°F to 140°F 5-99% RH, non-condensing	
Adhesive	2 mil high tack acrylic	
Adhesive shelf life	2 years	
Composition	Rigid polystyrene housing with non-magnetic steel indicator	
Dimensions	2.92in x 2.37in x 0.21in / 74.27mm x 60.31mm x 5.29mm	
Weight	~14.17g	
Installation	Pressure-sensitive adhesive or holes to accommodate screws, nails, or staples	
Customization	Private logos available. Minimum quantity applies.	

Product Description	Part Number	
TiltWatch XTR*	24101	
TiltWatch XTR Companion Label (200 labels/roll)	26102	
TiltWatch XTR Companion Label (500 labels/roll)	26103	
TiltWatch Plus* (includes companion label)	24114	
*Minimum Order Quanitity: 100		

TiltWatch Plus Specifications		
Monitoring range	Single plane and rollover	
Tolerance	±5° at 20°C / 68°F, 1 ATM	
Operating temperature and humidity	-40°C to 60°C / -40°F to 140°F 5-99% RH, non-condensing	
Adhesive	Vinyl acetate copolymer	
Adhesive shelf life	1 year (before application)	
Composition	Clear PVC housing and glass indicator	
Dimensions	4.6in x 4.6in x 0.3in 116.84mm x 116.84mm x 7.62mm	
Weight	~15.30g	
Installation	Pressure-sensitive adhesive exposed when liner and arming pin are peeled away	



Shockwatch can help you set up a damage reduction program tailored to your unique circumstances. For more information, please contact your Shockwatch representative.

