

ShockWatch® Impact/Tilt Indicators for Packaging



ShockWatch® provides a variety of impact and tilt indicators for packaging to give you that extra peace of mind that your package will be handled with care.

Impact Indicators for Packaging

A ShockWatch impact indicator is a highly visible device that will activate when an impact level exceeds a predetermined level. Mounted on a packaging container, the device visually alerts everyone involved in the package handling process that additional care is required. There are 4 types of ShockWatch impact indicators for packaging:



ShockDot

Tamperproof mechanically activated devices, ShockDot indicators turn red when a potentially damaging impact occurs. Each indicator is serialized and ensures the user that the device has not been switched during transport.



ShockWatch 2

A single-use, go/no-go devices that determines if fragile products have been dropped during transit or in storage. The indicators are field-armable, tamperproof devices that turn bright red when an impact beyond a specific threshold has occurred.



Label

A single-use tamperproof device, available in five sensitivities. Designed around a proprietary tube that can also be affixed directly to a package, the Label is ShockWatch's flagship device.



MAG 2000

A resettable, reusable indicator intended for large crates and shipments weighing over 500 pounds. MAG 2000 records the direction and angle of impact.

ShockWatch® Impact/Tilt Indicators for Packaging

	ShockDot	Label	ShockWatch 2	MAG 2000
Sensitivity range	25G - 100G	25G - 100G	5G - 75G	0.5G - 20G
Duration	0.5ms - 50ms	0.5ms - 50ms	0.5ms - 50ms	0.5ms - 50ms
Tolerance	± 15%	± 15%	± 15%	± 10%
Operating temperature	-13°F to 176°F -25°C to 80°C	-13°F to 176°F -25°C to 80°C	-13°F to 176°F -25°C to 80°C	-4°F to 140°F -20°C to 60°C
Status when shipped	Live	Live	Armable	Armable
Security	Tamperproof / QR Code / Serialized (optional)	Tamperproof / QR Code / Serialized (optional)	Tamperproof / Serialized	Tamper-resistant, Resettable
Shelf life	2 years	2 years	2 years	2 years
Size	3.8in x 3.8in 96.52mm x 96.52mm	3.8in x 3.8in 96.52mm x 96.52mm	1.69in x 1.69in x 0.25in 42.93mm x 42.93mm x 6.35mm	2.5in x 2.4in x 0.79in 63.5mm x 60.96mm x 20mm

Tilt Indicators for Packaging

ShockWatch tilt indicators detect and record 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®

Turns red if the package it is affixed to is tilted past 80°. However, it remains unaffected by movement due to normal handling conditions.



TiltWatch Plus®

Indicates whether there has been tilt to left or right, the degree of tilt, or if complete overturn has occurred.

	TiltWatch XTR	TiltWatch Plus
Sensor type	Steel disc, non-magnetic	Plastic 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°	10° increments (from 30°)

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

SHOCKWATCH®