

# SHOCKWATCH® FLEX



## Product Description

ShockWatch Flex incorporates the proven technology of the ShockWatch impact indicator label in a flexible format. Even irregular shaped items can benefit from knowing that mishandling has occurred.

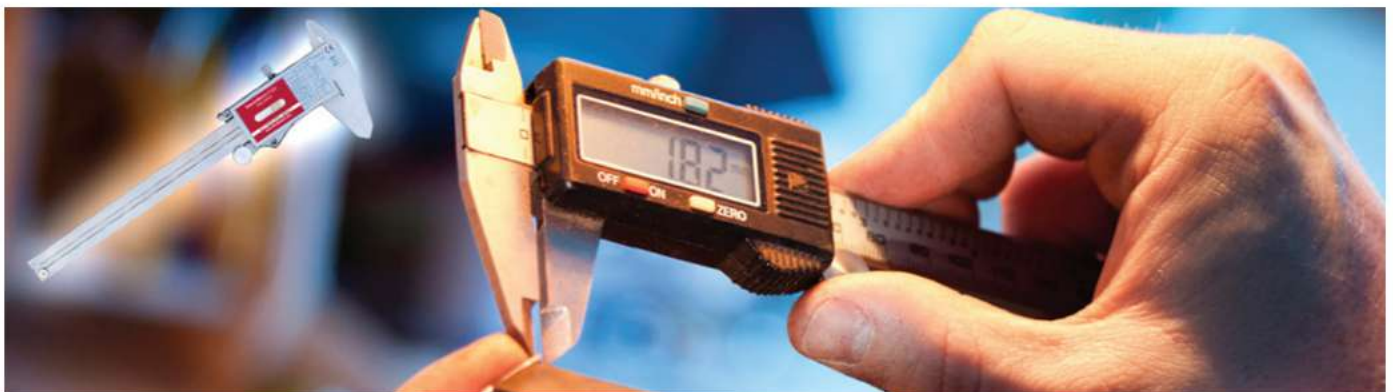
The design process is a delicate one. In many industries, fractions of millimeters can be the difference between success and a return to the drawing board. When designing items like aircraft components, medical equipment or laser systems, precision is key. So, how do you know if the tools you are using to design and build your product are within tolerance? If they have been dropped, are they still measuring correctly?

The ShockWatch Flex can assist you in knowing what happened to your equipment when it was out of sight. Was the caliper dropped? Does it need recalibration if it did? Is it worth the risk not knowing?

The ShockWatch Flex is a highly visible impact indicator that alerts you if your product has been subjected to unacceptable handling. Based on ShockWatch's proprietary impact sensing technology, the Flex is optimal when mounting an impact indicator complicated by product shape. The Flex can be mounted easily to curved and irregular shapes, ensuring the indicator will remain in place. The Flex is ideal for monitoring tools that may become misaligned, equipment that may lose their calibration, or products that may be damaged with mishandling.

## Industries Served

- Aerospace
- Logistics
- Defense
- Electronics



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## Key Features

- Provides indisputable evidence of mishandling
- Acts as a visual deterrent to improper handling
- Promotes chain of accountability for all product handling
- Confirms effectiveness of packaging



## Product Specifications

Technical Specifications		
	Single	Double
Operating Temperature:	-13°F to 176°F / -25°C to 80°C	
Responsiveness:	Responds to single impact	
Duration:	Ranges 1ms to 50ms	
Adhesive:	Acrylic	
Shelf Life:	2 years from date of sale, when stored at 20°C/68° F, 1 ATM	
Size:	1.28 x 0.9 in 32.51 x 22.86 mm	1.28 x 1.04 in 32.51 x 26.42 mm

## Product Applications

- Aerospace and Defense
- HVAC
- Construction - Supplies and Fixtures
- Electronics
- Computer Hardware
- Sports Equipment
- Equipment Rental
- Medical Devices and Supplies
- Industrial Equipment
- High Tech Equipment
- Lasers
- Robotics
- Office Equipment
- Furniture and Fixtures
- Scientific and Technical Instruments



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## Selection Guide

Selection of the appropriate ShockWatch Flex begins with understanding the product to be monitored. To select the proper activation levels, determine if shock specifications exist for the product to be monitored. Most complex electromechanical products such as hard drives, avionics, analysis instruments, etc. have been through extensive testing to establish shock damage boundary data. Activation graphs are available for the Flex to help match the damage characteristics of your product.

The ShockWatch Flex is available in single and double tube configurations. The single tube configuration provides nearly 360° of detection of impact. The double tube configuration, however, will provide a full 360° detection to monitor drops from all angles.

*\*Higher G solutions are available.*

Product Name	Sensitivity*	Activation Height
Flex 85	10 G	2 in to 4 in / 50.8 mm to 101.6 mm
Flex 75	15 G	3 in to 6 in / 76.2 mm to 152.4 mm
Flex 65	25 G	4 in to 8 in / 101.6 mm to 355.6 mm
Flex 55	37 G	6 in to 14 in / 152.4 mm to 457.2 mm
Flex 47	50 G	8 in to 18 in / 203.2 mm to 457.2 mm
Flex 35	75 G	19 in to 24 in / 482.6 mm to 609.6 mm
Flex 30	100 G	24 in to 30 in / 609.6 mm to 762 mm

## Related Products



Shock Dot



Void Fillers



ShockWatch MAG2000



Companion Label



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