



Impact Sensors Prevent Damage to Fragile Goods

The Lamerholm ShockWatch Impact indicators allow you to ship your fragile, sensitive, and perishable goods without surrendering control of their handling. These effective, attention-grabbing devices act as a strong visual deterrent to unacceptable handling, no matter what you're shipping. Affixed directly to your goods or packaging, our shock sensors detect and record impact and mishandling of fragile, sensitive, or calibrated products during transportation.

Thousands of the best-known companies in the world trust their shipments to ShockWatch everyday. No other shock sensor product is more recognised by carriers or offers a better reliability record.

ShockWatch Labels:

The ShockWatch labels contain a tube filled with red liquid held in suspension. When the device is subjected to an impact exceeding a specified G-level, the shock disrupts the surface tension of the liquid, releasing the highly visible red dye into the length of the tube - creating a permanent and immediate indication of mishandling. Normal movement or road shock won't affect the device - only the specific impacts for which it is designed. Once activated, the device cannot be reset.

The Lamerholm ShockWatch labels can be affixed to product packaging or directly onto the product itself, giving you the flexibility to prevent damage on virtually all goods requiring care during shipping and handling and the use of these devices can help to prevent warranty abuse.

A ShockWatch Solution can be tailored to fit your needs

ShockWatch labels are available in five shock sensitivity levels, ranging from 25g to 100g. Regardless of the amount of impact your products can withstand, there's a ShockWatch label specifically designed to protect it. The selection guide below will help you choose the right ShockWatch label for your product by matching the mass of your shipment to the anticipated handling environment.

ShockWatch Selection Guide Cu. M = height x width x depth

Weight kg/size	0-0.028 Cu. M	0.029-0.16 Cu. M	0.17-0.44 Cu. M	0.45-14.4 Cu. M	1.4+ Cu. M
0 - 4.5	Green	Green	Orange	Orange	Red
4.6 -11.5	Green	Orange	Orange	Red	Red
11.6 - 22.5	Orange	Orange	Red	Red	Purple
22.6 - 45.5	Orange	Red	Red	Purple	Purple
45.6 - 113.5	Red	Red	Purple	Purple	Yellow
113.6 - 450*	Red	Red	Purple	Yellow	Yellow
450+	----	Purple	Yellow	Yellow	Yellow

ShockWatch Labels

Product Code	32390 – 25g Yellow L-65
	32391 – 37g Purple L-55
	32392 – 50g Red L-47
	32393 – 75g Orange L-35
	32394 – 100g Green L-30
Series	ShockWatch

Typical Applications

- ° Transportation monitoring
- ° Automotive components
- ° Commercial appliances
- ° Semiconductor devices
- ° Computer hard drives
- ° Lab equipment
- ° Storage media
- ° Furniture
- ° Electronics
- ° Glass products

Key Features

- ° Reduce damage by preventing mishandling
- ° Make a quality statement about your products
- ° Pinpoint problem carriers or routes
- ° Add a psychological dimension to your packaging
- ° Reduce administration and field service costs
- ° Help bring damage claims to a quick resolution
- ° Protect against warranty abuse
- ° Build and maintain good carrier and customer relationships

Instrument

Dimensions: 97 x 97 mm
Operating Temperature Range: -25°C to +60°C
Sensitivity: Available from 25g to 100g
Guaranteed Activation: ±15% of Nominal value
Responsiveness: Responds to single impact
Duration Ranges: 1 to 50ms
Adhesive: Acrylic
Shelf Life: 2 years from date of Sale

Accessories

Code
 32478 A5 reel of 200 (Multi Lingual)
 32481 A5 Companion Label Reel of 200 (English Only)

Drop height at which to expect label activation

Note: Packaging and Construction may affect the correlation between drop height and ShockWatch activation. This table is intended as an approximate guide only. Minimal testing is suggested.

*For Shipments over 200Kgs you may also want to refer to literature on the Shocklog range of products

Colour Part No	Under 45kg	Over 45kg
Yellow L - 65	----	15 - 30 cm
Purple L - 55	30 - 45 cm	20 - 40 cm
Red L - 47	30 - 60 cm	30 - 45 cm
Orange L - 35	----	30 - 45 cm
Green L - 30	90+ cm	----