SHOCKWATCH®

SHOCKDOT IMPACT INDICATOR

The ShockWatch ShockDot is a cost-effective impact indicator that acts as a visual deterrent to improper handling, providing a solution to detect the mishandling of products and packages during shipment. Alerting handlers that the package is being monitored and requires extra care will ultimately drive down damages and reduce damage related costs. ShockDot indicators turn red when a potentially damaging impact occurs. The indicators are tamper-proof and serialised to ensure the user that the device has not been switched during transport. The QR code on each label allows customers to verify that they have received the quality and reliability of an authentic ShockWatch product.

ShockDot indicators are a simple solution for identifying potentially damaged shipments and driving accountability in the supply chain.

Product Features

- Tamper-proof design prevents concealment of activation without obvious evidence of interference
- Compliance and field tested for use in multiple environments
- Serialised to ensure device isn't switched in transit
- Highly visible "red alert" to indicate mishandling
- Easy-to-use adhesive backing requires no tools or assembly
- Custom sensitivities and device types are available with minimum quantities
- Available in a wide range of sensitivities

Benefits

- Provides indisputable evidience of mishandling
- Alerts recipient to inspect contents before acceptance
- Promotes chain of accountability for all product handling
- Confirms effectivness of packaging
- Helps increase quality of product from dock to dock
- Verify authenticity of the ShockDot by scanning the QR code and entering in the serial number

Interpreting the ShockDot

If a package has not been mishandled, the circular indicator in the centre of the ShockDot will remain white. The ShockDot provides bi-directional impact indication, so if the package has been dropped or mishandled, the indicator will show full or partial red colouration. Any red in the ShockDot indicator window alerts receivers to inspect the package for potential damage.

Below are examples of the ShockDot results:

No activation:

Bi-directional Impact Indicaton Activation:

32610 - SHOCKDOT YELLOW (25G)

SPECIFICATIONS

Instrument:

Dimensions:	96.52 x 96.52mm
Adhesive:	Acrylic
Storage recommendations:	20°C, 1 ATM, 0-99% RH Non-condensing
Shelf Life:	2 years from date of manufacture when stored as recommended
Weight:	1.98g

Indicator:

G Rating:	25G
Operating Temperature Range:	-25°C to +80°C
Impact Duration:	0.5 - 50ms
Responsiveness:	Responds to single impact
Tolerance:	±15% at 20°C
Security:	Tamper-proof, Serialised

32611 - SHOCKDOT PURPLE (37G)

SPECIFICATIONS

Instrument:

Dimensions:	96.52 x 96.52mm
Adhesive:	Acrylic
Storage recommendations:	20°C, 1 ATM, 0-99% RH Non-condensing
Shelf Life:	2 years from date of manufacture when stored as recommended
Weight:	1.98g

Indicator:

G Rating:	37G
Operating Temperature Range:	-25°C to +80°C
Impact Duration:	0.5 - 50ms
Responsiveness:	Responds to single impact
Tolerance:	±15% at 20°C
Security:	Tamperproof, Serialised

Label Selection Guide

Weight kg/Size	0 – 1 ft^3 0 - .03 m^3	0 – 5 ft^3 .03 - .14 m^3	5 – 15 ft^3 .14 - .42 m^3	15 – 50 ft^3 .42 - 1.42 m^3	50+ ft^3 1.42+ m^3
0 - 10 lbs or 0-5 - kg	GREEN - 32614	GREEN - 32614	ORANGE - 32613	ORANGE - 32613	RED - 32612
10 - 25 lbs or 5 - 11 kg	GREEN - 32614	ORANGE - 32613	ORANGE - 32613	RED - 32612	RED - 32612
25 -50 lbs or 11 - 23 kg	ORANGE - 32613	ORANGE - 32613	RED - 32612	RED - 32612	PURPLE - 32611
50 - 100 lbs or 23 - 45 kg	ORANGE - 32613	RED - 32612	RED - 32612	PURPLE - 32611	PURPLE - 32611
100 - 250 lbs or 45 - 113 kg	RED - 32612	RED - 32612	PURPLE - 32611	PURPLE - 32611	YELLOW - 32610
250 - 1,000 lbs or 113 - 454*	RED - 32612	RED - 32612	PURPLE - 32611	YELLOW - 32610	YELLOW - 32610
1,000+ lbs or 454+ kg	–	PURPLE - 32611	YELLOW - 32610	YELLOW - 32610	YELLOW - 32610

*Note: Packaging and Construction may affect the correlation between drop height and ShockWatch activation. This table is intened as an approximate guide only. Minimal testing is required. For Shipments over 200kgs you may also want to refer to literature on the ShockLog range of products

32612 - SHOCKDOT RED 50G

SPECIFICATIONS

Instrument:

Dimensions:	96.52 x 96.52mm
Adhesive:	Acrylic
Storage recommendations:	20°C, 1 ATM, 0-99% RH Non-condensing
Shelf Life:	2 years from date of manufacture when stored as recommended
Weight:	1.98g

Indicator:

G Rating:	50G
Operating Temperature Range:	-25°C to +80°C
Impact Duration:	0.5 - 50ms
Responsiveness:	Responds to single impact
Tolerance:	±15% at 20°C
Security:	Tamperproof, Serialised

32613 - SHOCKDOT ORANGE (75G)

SPECIFICATIONS

Instrument:

Dimensions:	96.52 x 96.52mm
Adhesive:	Acrylic
Storage recommendations:	20°C, 1 ATM, 0-99% RH Non-condensing
Shelf Life:	2 years from date of manufacture when stored as recommended
Weight:	1.98g

Indicator:

G Rating:	75G
Operating Temperature Range:	-25°C to +80°C
Impact Duration:	0.5 - 50ms
Responsiveness:	Responds to single impact
Tolerance:	±15% at 20°C
Security:	Tamperproof, Serialised

Label Selection Guide

Weight kg/Size	0 – 1 ft³ 0 - .03 m³	0 – 5 ft³ .03 - .14 m³	5 – 15 ft³ .14 - .42 m³	15 – 50 ft³ .42 - 1.42 m³	50+ ft³ 1.42+ m³
0 - 10 lbs or 0-5 - kg	GREEN - 32614	GREEN - 32614	ORANGE - 32613	ORANGE - 32613	RED - 32612
10 - 25 lbs or 5 - 11 kg	GREEN - 32614	ORANGE - 32613	ORANGE - 32613	RED - 32612	RED - 32612
25 -50 lbs or 11 - 23 kg	ORANGE - 32613	ORANGE - 32613	RED - 32612	RED - 32612	PURPLE - 32611
50 - 100 lbs or 23 - 45 kg	ORANGE - 32613	RED - 32612	RED - 32612	PURPLE - 32611	PURPLE - 32611
100 - 250 lbs or 45 - 113 kg	RED - 32612	RED - 32612	PURPLE - 32611	PURPLE - 32611	YELLOW - 32610
250 - 1,000 lbs or 113 - 454*	RED - 32612	RED - 32612	PURPLE - 32611	YELLOW - 32610	YELLOW - 32610
1,000+ lbs or 454+ kg	–	PURPLE - 32611	YELLOW - 32610	YELLOW - 32610	YELLOW - 32610

*Note: Packaging and Construction may affect the correlation between drop height and ShockWatch activation. This table is intened as an approximate guide only. Minimal testing is required. For Shipments over 200kgs you may also want to refer to literature on the ShockLog range of products

32614 - SHOCKDOT GREEN (100G)

SPECIFICATIONS

Instrument:

Dimensions:	96.52 x 96.52mm
Adhesive:	Acrylic
Storage recommendations:	20°C, 1 ATM, 0-99% RH Non-condensing
Shelf Life:	2 years from date of manufacture when stored as recommended
Weight:	1.98g

Indicator:

G Rating:	100G
Operating Temperature Range:	-25°C to +80°C
Impact Duration:	0.5 - 50ms
Responsiveness:	Responds to single impact
Tolerance:	±15% at 20°C
Security:	Tamperproof, Serialised

Monitoring Program

The ShockDot used in conjunction with companion labels and caution tape become a highly effective damage reduction and prevention program that increases visibility of the handling requirements of your package.

32480 – A5 Companion Label Reel of 200 (English Only)