

ShockWatch® RFID Impact Indicators

Selection Guide

There are two things you need to know to begin selecting a ShockWatch RFID impact indicator sensitivity: shipment size and weight. The selection guide should always be used as a starting point only. The indicator that will be best suited to your application will also take into account product fragility and packaging.

ShockWatch RFID	5 - 15 ft³ .14 - .42 m³	15 - 50 ft³ .42 - 1.42 m³	50 - 100 ft³ 1.42 - 2.83 m³	100 - 250 ft³ 2.83 - 7.08 m³	250 - 500 ft³ 7.08 - 14.16 m³	500 - 1,000 ft³ 14.16 - 304.8 m³	1,000+ ft³ 304.8+ m³
0 - 10 lbs 0 - 5 kg	75G	75G	50G	37G	N/A	N/A	N/A
10 - 25 lbs 5 - 11 kg	75G	50G	50G	37G	25G	N/A	N/A
25 - 50 lbs 11 - 23 kg	50G	50G	37G	25G	25G	15G	N/A
50 - 100 lbs 23 - 45 kg	50G	37G	37G	25G	15G	15G	10G
100 - 250 lbs 45 - 113 kg	37G	37G	25G	25G	15G	15G	10G
250 - 1,000 lbs 113 - 454 kg	37G	25G	25G	15G	15G	10G	10G
1,000 - 2,000 lbs 454 - 907 kg	25G	25G	25G	15G	15G	10G	5G
2,000 - 5,000 lbs 907 - 2,268 kg	25G	25G	15G	15G	10G	10G	5G
5,000 - 10,000 lbs 2,268 - 4,536 kg	25G	15G	15G	15G	10G	10G	5G
10,000 - 15,000 lbs 4,536 - 6,804 kg	N/A	15G	15G	10G	10G	5G	5G
15,000 - 20,000 lbs 6,804 - 9,072 kg	N/A	N/A	10G	10G	5G	5G	5G
20,000 - 30,000 lbs 9,072 - 13,608 kg	N/A	N/A	N/A	5G	5G	5G	5G
30,000+ lbs 13,608+ kg	N/A	N/A	N/A	N/A	5G	5G	5G

Key Specifications

Sensitivity range	5 - 75G
Impact duration	0.5 - 50ms
RFID Type	ISO18000-6 / EPC Gen 2 / Passive
Tolerance	±15% at 20°C / 68°F, 1 ATM
Operating temperature	-25°C to 60°C / -13°F to 140°F
Weight (varies by sensitivity)	~5.05g
Dimensions	1.69in x 1.69in x 0.25in / 42.93mm x 42.93mm x 6.35mm
Security	Tamperproof, Serialized
Adhesive	Acrylic
Product life	2 years when stored at 20°C / 68°F, 1 ATM
Storage recommendations	20°C / 68°F, 1 ATM, 0-99% RH Non-condensing