

# IMPACTMANAGER™ SC



The ShockWatch ImpactManager™ SC is an impact detection device for forklifts and other material handling equipment. Mounted directly on the equipment, ImpactManager SC utilizes two patented adjustable sensors which sound an alarm upon any impact exceeding a pre-defined threshold. This immediate identification allows for more timely corrective action and reinforces safe operations. With ImpactManager SC in place, operators' driving habits improve, which results in reduced damage to equipment, facilities, and products, as well as reduced costs.



## Benefits

- Reduces operator, facility, equipment, and product damage due to impacts
- Reduces costs associated with damage and worker injury
- Increases operator accountability, improves driving behavior, and reduces worker injury
- Reinforces safe vehicle operations and procedures without supervisory presence
- Creates immediate awareness of impacts by sounding alarm or lift horn
- Allows for immediate corrective action following an impact
- Allows for immediate maintenance and repairs following an impact
- Reduces material handling equipment downtime and repair costs

Use ImpactManager on:

Electric forklifts  
Internal combustion forklifts  
Narrow aisle (reach) forklifts  
Rough terrain forklifts  
Electric pallet forklifts  
Walkie/rider forklifts  
Order picker forklifts  
Turret forklifts  
Double reach forklifts  
Other counterbalance forklifts  
And much more

## ■ Features

- Real-time impact detection through patented, user-adjustable sensors
- 103 dB internal audible alarm or lift truck horn alarm option
- Tamper-proof barrel lock enables and resets the unit
- Test button for quick check of operational status
- Easy installation with two mounting orientations—Each product has two patented sensors mounted on different planes, with adjustable 360° plane of sensitivity
- Operational over a 10V to 60V DC range
- UL rating—Type E, EE, G, GS, LP, LPS, D, and DS
- Multiple product offerings—Basic product is a battery-operated, self-contained unit

## ■ Models

### SC1000

The SC1000 is self-contained and does not require any wiring for installation. It has an internal audible alarm and 9V battery.

### SC1010

The SC1010 draws power from the forklift battery. This model is practical for users who prefer not to change batteries in environments where operating temperature can affect the battery life.

### SC1040

The SC1040 is powered by a 9V battery and allows integration of forklift accessories such as horn and lighting to alert supervisors when there is an impact.

### SC1060

The SC1060 is powered by the forklift battery and can activate the horn and lighting when there is an impact. Ideal for environments where loud noise is a concern.

### SC1080

The SC1080 is powered by a forklift battery and uses a remote panel, which houses the keyswitch and test switch controls, for mounting within the vehicle.

*All models can be mounted with a peel-off adhesive or with a bracket and screws.*

## ■ Specifications

### Operating Temperature

-4°F/-20°C to +140°F/+60°C

(Optional heater available for cold room applications)

### Operating Humidity

0 – 100% non-condensing

### Sensor

Adjustable magnetic

### Impact Detection Range

User-adjustable threshold from 0.3G to 7G

### Operating Shock

10G (non-destructive)/100G (destructive)

### Shock Resistance

40G @ 11ms

### Vibration Resistance

12G @ 10 to 55Hz

### Output Alarm

Piezoelectric 103 dB

### Case Size

4.33" x 4.33" x 2.8"

### Case Material

Polystyrene

### Case Rating

NEMA 4X

### Weight

2.5 lbs.

### Battery Type

9V Lithium (SC1000, SC1040)

### Battery Life

1 year (SC1000, SC1040)

# SHOCKWATCH®

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