SHOCKSWITCH™ SC3000

Reduce forklift maintenance costs and improve driving habits with Shockswitch SC3000—A unique damage control monitor and recorder



The Shockswitch SC3000 has been designed to serve as an integral part of any quality/safety program that controls infrastructure, forklift and commodity damage throughout an operation. The SC3000 promotes improved driving habits to create a safer and more productive work environment that can result in a reduction in employer liability.

The complete Shockswitch program is designed to aid managers in:

- Reducing forklift maintenance costs
- Improving driving habits
- Reducing rack and product damage
- Providing ongoing driver training
- Creating a safer, more productive work environment

Shockswitch SC3000 Operation

The Shockswitch SC3000 mounts quickly on almost any lift truck. In addition to sophisticated solid state electronics, it also contains a 98dB internal audible alarm. If a driver bumps into a wall, rack or any other solid object with a force exceeding the selected impact level, the alarm will sound. The unit automatically records the time and date of the incident. The duration of the alarm can be set for any length up to 60 seconds or for an indefinite amount of time that will require a manager to reset the unit.

One of the unique features of the Shockswitch is its use of iButton "keys" as a critical interface between managers, the SC3000 unit and the supporting software. The keys are used to execute various management functions ranging from loading in software-driven impact sensitivity settings to resetting the alarm after impact to downloading data and testing the unit.

The SC3000 includes data storage for up to 200 impact events over an indeterminate time frame. This information is retained in memory for later downloading and analysis.

The recorded data can be collected via a mini-printer or downloaded into a computer using the Yellow Manager's Key and Shockwatch's supporting PC software (Win95, 98, 2000 and NT). Then the information can be archived for future reference or merged into a single spreadsheet for management review.

Patented Sensor Technology



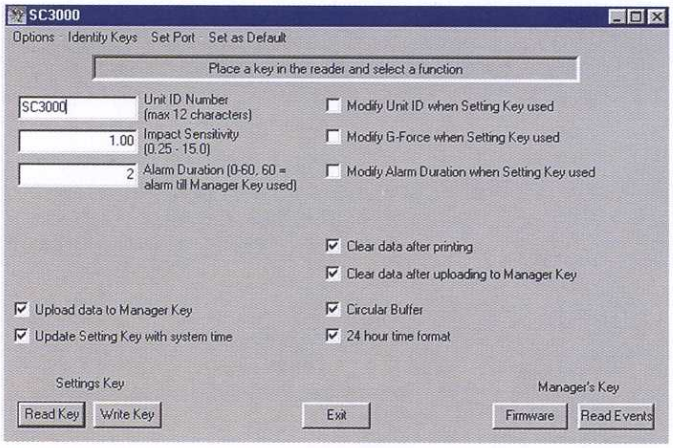
The patented adjustable sensor uses a magnetic technology that will trigger the SC3000's alarm only upon impact above a selected G level. With a sensor having a 360° plane of sensitivity, it can be mounted in either a vertical or horizontal position. *The SC3000 can also be customized with an external sensor box.*

Shockswitch sensors are available in four ranges:

M sensor	.3 to 2 G
A sensor	.5 to 3 G
B sensor	1 to 7 G
C sensor	3 to 15 G

The sensor's sensitivity can be increased or decreased by adjusting the dial to the desired setting.

Shockswitch SC3000 In A PC Environment



A manager using the Shockswitch SC3000 software can enter vital equipment operating parameters to create a safe operation plan for the forklift fleet. The program changes will then be downloaded into the iButton Red Settings Key. The Settings Key is then inserted into the User Interface port on the SC3000. A Blue Arming Key can be used to either activate or deactivate the SC3000 as well as to test its functions.



Shockswitch SC3000 users have two data retrieval options—either using a mini-printer to print information directly from the unit or by downloading to a PC via the Yellow Manager's Key. This key retrieves the data and stores it for upload to a computer running the Shockswitch software.

Shockswitch Options

The SC3000 is one of many different Shockswitch models available to forklift owners. Each has different capabilities to respond to the unique needs of individual businesses. Those who have employed Shockswitch in their overall quality/safety program have reported dramatic incident reductions—in some cases by up to 90%—and a reduction in impact related repairs by up to 50% or more.



The Shockswitch SC1000 is totally self-contained and uses an internal power source. The SC1000 can also be customized with an external sensor box placement and external power.

Shockswitch SC3000 Specifications

Operating Temperature:	-20C to +60C -4F to +140F
Operating Humidity:	0-100% Non-condensing
Operating Shock:	10G (nondestructive) 100G (destructive)
Case Size:	4.33 in. X 4.33 in. X 2.8 in.
Case Material:	Polystyrene
Case Rating:	NEMA 4X
Weight:	2.5 lbs.
Power source:	12 – 60 VDC
Impact Detection:	User adjustable threshold sensor
Impact Detection Range:	.3G to 15G
Data Storage Capacity:	200 events
Output Alarm:	Piezoelectric 98dB.

SC3000 Software Requirements:

Language: English, French

Operating system: Win 95, Win 98, Win2000, Win NT

Memory: 3 Mb hard drive

About Shockwatch

Shockwatch, a division of Media Recovery, develops, manufactures and markets a broad range of impact, tilt and temperature monitoring and damage prevention products. Shockwatch products, known for high quality, excellent reliability and leading technology, are distributed worldwide by an internal sales force and a network of strategic partners and resellers. Founded in 1974, the company is headquartered in Dallas, Texas and is privately owned.

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