TotalTrax ImpactManager® RF and ID are access control and impact and utilization monitoring devices for material handling equipment. These products are designed to reduce damage-related expenses due to improper operation and to create a safer work environment.

When integrated with a forklift, ImpactManager RF and ID detect impacts and record the event details, such as date, time, and driver identification. The data is then transmitted wirelessly for the RF or downloaded through several user interface options for the ID. These user interfaces also assist in controlling access by ensuring that only trained or certified drivers operate the equipment.

The ImpactManager software allows companies to customize equipment operating parameters and to generate a variety of reports and graphs for analysis.

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
Construction equipment
...and much more

■ 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

- Enables compliance with OSHA by tracking operator training schedules and operator certification

- Reinforces safe vehicle operation and procedures without supervisory presence

- Creates immediate awareness of impacts by sounding an alarm or lift horn

- Allows for immediate corrective action following an impact

- Allows for immediate maintenance and repairs following an impact

- Allows for email notification of pre-selected events (ImpactManager RF only)

- Provides easy access to real-time impact and operator data for analysis and more effective decision making

- Reduces material handling equipment downtime and repair costs

FORKLIFT TRAINING SYSTEMS

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■ Specifications

Operating Temperature
-4°F / -20°C to 140°F / 60°C
(optional heater available for cold room applications)

Operating Humidity
0 –100% noncondensing

Impact Detection Range
User-adjustable threshold 0.25G to 9G

Operating Shock
10G (nondestructive) / 100G (destructive)

Shock Resistance
4G at 11ms

Vibration Resistance
20G @ 10 to 25Hz

Output Alarm
Piezoelectric 108dB at 2 feet

Case Size
4.33" x 4.33" x 2.8"

Case Material
PC/ABS

Weight
2.5lbs

Relay Output
Normally open contact fused @ 5amps
(2AG 10amp @ 230V)
Normally closed contact fused @ 10amps
(2AG 10amp @ 230V)

Data Storage Capacity
400 events / operator log-on and -off /
impact time and date

Data Retrieval
iButton (ImpactManager RF or ID)
Wireless data transmission (ImpactManager RF)

Radio Specifications

900 MHz:
RF transmission frequency: 902–928MHz, unlicensed ISM band
Radio type: frequency-hopping spread spectrum
Frequency control: Direct FM
Data rate: 9600bps
Transmit power output: 100mW nominal
Transmission range — inside: 6,00' to 1,500'
Transmission range — outside: 1,500' to 2,500'
FCC ID: OUR9XTREAM
FCC RF exposure requirements: Maintain a 20cm separation from the antenna to any nearby persons

802.11b Wi-Fi:
IEEE 802.11 Wi-Fi Compliant
North America: FCC Title 47 Part 15 Class B
Sub C Intentional Radiator, IOC RSS210
Europe: CE ETSI EN300 328
RoHS & WEEE Compliant
Compliance bandwidth : 2.4~2.4835 GHz
(US/Canada/Europe)
Receiver Sensitivity:
54 Mb/s = -75 dBm
36Mb/s = -8 dBm
18Mb/s = -88 dBm
11Mb/s = -88 dBm
6Mb/s = -93 dBm
1Mb/s = -98 dBm

TOTALTRAX, INC.

FORKLIFT TRAINING SYSTEMS

Nationwide Distribution By:

Forklift Training Systems
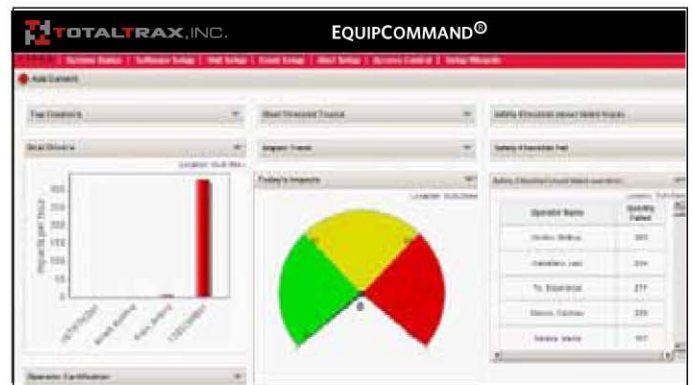740-763-4978
info@forklifttrainingsystem.com

◼ Features

- ◼ Real-time triaxial impact detection

- ◼ Vehicle access control via multiple user-defined interfaces (iButtons, barcode, and proximity cards)

- ◼ Pre-shift OSHA safety checklist acknowledgment

- ◼ Operator certification tracking

- ◼ Multiple wireless data transmission options (802. 11 b/g , 900MHz, and 2.4GHz)

- ◼ Lock-out/ tag-out capability

- ◼ Voltage monitoring

- ◼ Event data email capability

- ◼ User-definable maintenance alert

- ◼ Inactivity log-off

- ◼ LED for quick operational verification

- ◼ Management software operation in local workstation, LAN, and WAN, with export capabilities

- ◼ Variety of reporting and graphing capabilities

- ◼ 108dB output alarm
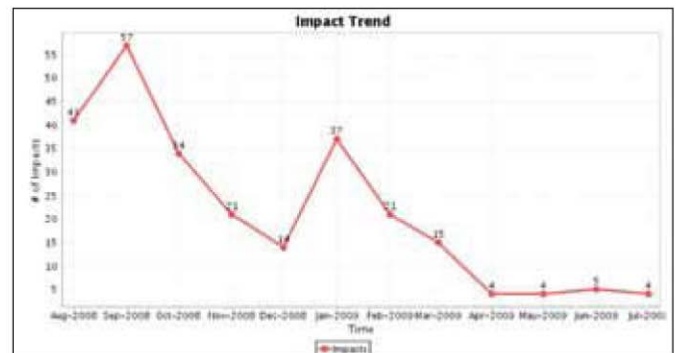
- ◼ UL ratin g — Type E, EE, G, GS, LP, LPS, D, and DS

◼ EquipCommand® Software

At the heart of this TotalTrax innovation is its proprietary software package. The information you receive is critical to your business, and we designed the EquipCommand software to set equipment operating parameters, record operator activity, track operator certification, set equipment maintenance schedules, and disable the equipment upon impact. The software ensures timely, reliable, and accurate operator and equipment data to put the power of knowledge in your hands when and where you need i t—allowing you to make better decisions to reduce damage-related costs.

- ◼ Runs on Windows ® NT, 2000, XP, Vista, and 7 operating systems

- ◼ Easy to install, use, and train

EquipCommand Dashboard

Impact Trend Report

■ User Interface Options:

Included:

iButtons

With an ImpactManager RF or ID mounted on a forklift, operators are required to log on using the green Operator iButton, supporting OSHA compliance by tracking operator ID and certification. Additional iButtons are used to configure operating parameters, program maintenance alerts, lock down equipment, reset, and retrieve equipment data for download.

iButton Reader

A standard component connected to the ImpactManager RF and ID, the iButton reader is a receptacle for the iButton.

Additional Options and Accessories:

Proximity Card Reader

The proximity card reader is housed in a water-resistant enclosure with flexible mounting options. Can be used as an alternative to iButtons.

Infrared Barcode Reader

Uses an infrared beam to read encoded information on barcode media. Can be used as an alternative to iButtons.