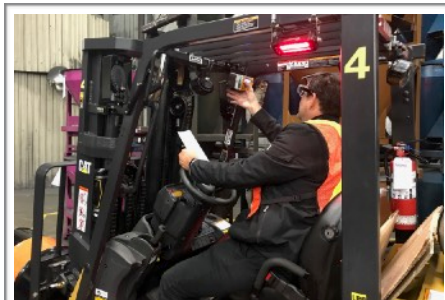
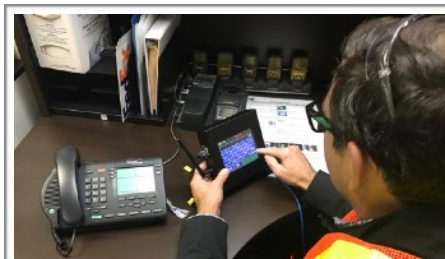
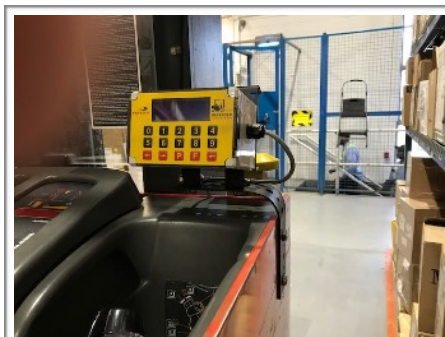
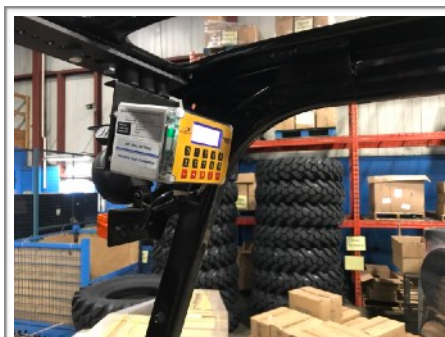




Lift Truck Impact Management

The Defender IM Impact Monitor series provides small to medium lift truck fleets with a realistic approach to reducing damage costs and improving operator safety. Designed for easy integration and lasting success the system utilizes industry leading 16 G notification on the accelerometer with units of 0.5 to properly capture the weight per unit mass sensitivity of all applications.

The system is engineered to provide information not 'interruption' and links operator usage to recorded impacts in real time. Acting like a 'black box' on an airplane it provides management and safety stakeholders the ability to access that data when needed to investigate or promote safe driving. Also unique to the Defender IM series is the two-tier safety notification design that allows for companies to give warning thresholds to drivers in advance, providing a tool to eliminate damage or un-safe situations before they happen.



Specifications

DIGITAL INDICATOR

- Operating voltage from 12 to 55 VDC
- Operating current 110 mA
- Technology, micro controller
- Real time clock
- Month/Day/Year LCD display
- Hours/Minutes/Seconds LCD display
- Four analog inputs
- USB port
- RF long range module, 900 MHz, FCC Approval MCQ-XBPS3B
- Digi mesh protocol
- Measurement Rate: 16000 samples per session

- English and French languages
- Relay 1, SPDT for external warning
- Relay 2, SPDT for vehicle access

LCD DISPLAY

- LCD display, 2 Lines x 16 characters
- Display size 68 x 27 x 11 mm
- Character size, 6,68 x 2.76 mm
- High contrast LCD super twist display
- Low operational temperature version

KEYPAD

- Keypad 16 key with tactile feedback
- Alphanumeric keys
- Sealed keypad, watertight
- Functions overlay
- Operating temperature: -20 C / + 50 C

ENCLOSURE & MOUNTING BRACKET

- Enclosure ABS, 120 x 80 x 55 mm with clear front plate
- NEMA Type 4X

- Two mounting vibration mounts

Net Weight, 0.6 kg

PRESSURE TRANSDUCER

- Pressure Transducer (Swiss Made)
- Port connection, male 1/4"-18 NPT
- Built in pressure snubber
- Reverse polarity protection
- Over voltage protection
- Short circuit protection
- Housing material, Stainless steel AISI 303
- Weight 95 grams
- Installation, unrestricted
- CE conformity, EN 61326-2-3

Standard Features

Defender IM series with optional onboard weighing scale

WEIGHING ACCURACY

+/-0.1 to +/-1% of vehicle maximum lifting capacity

LOAD MEASUREMENT RANGE

Weighing range up to 99999 lb or kg

OPERATING PROCEDURE

Lift-N-Weigh load weighing procedure

GRADUATION

1, 5, 10, 50 and 100 (default 5)

SYSTEM CALIBRATION

Automatic load weight calibration, password protected

ORDER NUMBER

IM

Stand alone impact monitoring system with high impact strobe light/siren alert, USB data recording.

(Only two wires electrical connection to the vehicle, no vehicle disable function)

HARDWARE OPTIONS

RFID card reader

Pressure transducer (Weighing function)

OPTIONAL SOFTWARE PACKAGES

OSHA safety check

RFID vehicle operator access control

IM2

Standalone impact monitoring system with high impact strobe light/ siren alert, USB data recording, keypad operator vehicle access control.

(Four wires electrical connections to the vehicle)

IM3

Stand alone impact monitoring system with high impact strobe light/ siren alert, USB data recording, RF long range module, keypad operator vehicle access control.

(Four wires electrical connections to the vehicle)

WARRANTY

Two year limited warranty

Note:

With number of software and hardware options for IM Defender series, please contact manufacturer / local lift truck dealer for the system configuration that is applicable for your material handling operation.

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