



Improve Your Bottom Line

Increase Operational Efficiency

Protect Your Cargo

Features

- Simple installation—tapes to trailer ceiling, typically on the center line 4 feet from the nose
- All wireless communication to the Tr/IPS™ MCU on top of the trailer
- Self-calibrates to the trailer size at installation
- Motion sensor prevents false load transition messages due to trailer movement
- Detects objects in an 8-foot section of the trailer nose; multiple sensor configurations available
- Messages sent as percent capacity of trailer size
- Load transitions sent every 20% for LTL operations
- Bottom 20% masked to prevent pallets, etc. from preventing an empty alert
- Load transition alerts displayed within 20 minutes of transition

Results-focused information

Real-time data allows you to maximize your trailer turns, increase utilization, and document trailer detention. Know within minutes when a trailer goes from full-to-empty or empty-to-full and help secure against loss and theft – increase margins while minimizing risk.

Performance

Peel-and-stick installation, no wiring to the trailer and no wiring to the MCU. The patent-pending motion sensor eliminates false load transition messages when the trailer is moving. The load status is checked every 15 minutes and any potential transition is confirmed after 5 minutes.

Technical Specifications

Ultrasound	Max Distance	14 feet
	Distance Accuracy	< 2"
	Frequency	40kHz
Wireless Sensor Network	RF protocol	IEEE 802.15.4
	Interface protocol	Proprietary
	Transmit Power	1mW / 100mW
Battery Characteristics	Chemistry	Primary Lithium (nonrechargeable)
	Power	3.6V nominal @ 4800mAh
	Battery Life	> 2 years
Dimensions	Including tabs	4.2" x 2.8" x 1"
Environmentals	Vibration	IST-3A Over-the-Road Trailer spectrum: 0.53gRMS
	Shock	MIL STD 810-F: 30g @ 11ms, 18 trials repetitive