



## Optimize Container Turn Time and Increase Trailer Revenue Per Mile.

SkyBitz's® Cargo Sensors assure better management of assets. Skip the yard checks and eliminate wasted time. You'll never get to a customer dock or yard to pick up an empty asset only to find it's still filled. Instead, your drivers will spend their time on making your business more money, not on wasted trips.

With SkyBitz Cargo Sensors you can also take the guesswork out of detention billing. You'll have an indisputable record of both the trailer/container arrival and unloading completion time stamps.

Let SkyBitz help you build your business by offering a higher level of customer service. With the SkyBitz Cargo Sensor, you may know a trailer or container is loaded before the customer notifies you, allowing you to proactively call your driver for a speedier departure. Your customer will appreciate the extra service, and you get more productivity from your assets.

## Reliable, Flexible, Simple. It Adds Up to the Quick, Efficient Way to Select, Retrieve and Redirect Assets.

The SkyBitz Cargo Sensor makes it easy to know the load status of any asset. Get change in status alert messages sent to your computer, pager or mobile phone.

The SkyBitz Cargo Sensor utilizes ultrasonic technology to monitor the entire length of the trailer or container. A typical pallet of goods can be detected virtually anywhere over a wide range of environmental conditions. You can also run reports on a single or a number of trailers or containers to find and quickly turn around available assets.

Unlike other cargo sensors, the SkyBitz Cargo Sensor is easily installed in a safe location to minimize load damage and is compatible with all SkyBitz Gemini Series Mobile Terminals.

Choose the load status schedule you need, either with a start report or any time there's a cargo status change. Through SkyBitz's two-way satellite communication network, you can change parameters over the air and integrate additional sensors like Tractor/Trailer ID, Door Sensor and External Power Module.

### Key Features

- Enhance Just-in-Time Logistics
- Improve Yard Management
- Monitor Equipment and Cargo
- Improve Asset Turn Times

Brought to Market by Pana-Pacific



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## Actionable Data Through SkyBitz InSight

Information from the Cargo Sensor is viewed through the best-in-class SkyBitz InSight Web application. Through InSight users can track, monitor and manage a broad range of assets. SkyBitz InSight uses exception-based reporting to deliver insightful information that allows management to make quick, data-based decisions to more effectively control their assets.

## Hardware Specifications

### PHYSICAL

Dimensions (L x W x H):	5.0 x 6.0 x 2.5 in (127 x 152.4 x 63.5 mm)
Weight:	Approximately 1 lb (454 g) with batteries
Mounting:	Direct mount using 3M VHB tape on back of the Cargo Sensor or optional VHB tape mounting brackets

### ENVIRONMENTAL

Operating Temperature:	-40°C to 70°C
Storage Temperature:	-55°C to 85°C
Vibration:	2G rms, MIL-STD-810D, Method 514.4
Shock:	30G, MIL-STD-810F, Method 516.5 Procedure 1
Salt Fog:	SAE J 1455 4.3.3 for a duration of 24 hours
Humidity:	100% Humidity (SAE J 1455 4.2.3 requirements)
Water Immersion:	1 Meter, 30 Minutes
Power:	Internal: (2) 3.6V lithium-thionyl chloride primary batteries External: 9 to 18 VDC

### CERTIFICATIONS

Intrinsic Safety (UL Class I, Division I Groups A, B, C and D) for US and Canada, FCC CFR Parts 15 and 25, Industry Canada, CE Mark  
DTTS II Certified