

Add some peace of mind to your shipments.

Whether you're shipping a single specimen or a pallet of expensive diagnostic equipment, SenseAware®, a FedEx innovation, gives you the inside story on your critical shipment's location and environmental conditions. This cost-effective, sensor-based logistics (SBL) technology lets you make informed decisions regarding rerouting, replacing, and intervention. Use it to gain visibility into a single shipment — or your entire supply chain.



Contact your FedEx account executive, call a SenseAware Advisor at 901.434.3030, or go to senseaware.com to learn more and express an interest in becoming a SenseAware customer.

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a FedEx innovation

Take monitoring your shipments and supply chain to a whole new level.

The SenseAware 2000 device easily fits into shipments and is paired with a powerful web-based application, enabling you to monitor their location and check the environmental conditions.

What can you monitor with the SenseAware 2000?*



Current location — Know where your shipments are in real-time.



Accurate temperature — Verify the temperature of sensitive shipments, and receive notifications if the temperature diverges from a customized range.



Exposure to light — Receive alerts of a potential security breach, compromised packaging, or upon delivery.



Relative humidity — Stay up-to-date on moisture levels inside your shipments.



Barometric pressure — Detect changes in the levels of atmospheric pressure.



Shock — Monitor and receive alerts for shock events.

*SenseAware devices are designed to suspend transmission of data during flight, although they continue to monitor and store data. See senseaware.com for further details.

Approvals, certifications, and compliances

The SenseAware 2000 is designed to National Institute of Standards and Technology (NIST) criteria for use in highly controlled, temperature-sensitive supply chains.** For a current list of approved carriers and countries, contact a SenseAware representative or go to senseaware.com. Other approvals include:

- Federal Communications Commission (FCC)
- U.S. Department of Transportation (DOT)
- National Electrical Manufacturers Association (NEMA)
- Underwriters Laboratories Inc. (UL)
- PTCRB

**Individual device validation to NIST standards available upon request.

Battery life

SenseAware 2000 battery life is determined by many variables — including the frequency of device reporting — so a less frequent reporting interval can allow for longer battery life. For example, with a 5-minute reporting interval, the device can report up to four days, while a 2-hour reporting interval may allow for 25-30 days. When monitoring stationary inventory at a less frequent reporting rate of once per day, the battery can last up to two months. Use the Motion Hibernate feature to save even more battery life by configuring a more frequent reporting interval when your shipment is in motion, and a less frequent reporting interval when it is stationary.

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SenseAware 2000 device specifications

PHYSICAL

Dimensions	4.5" x 4.5" x 0.9" 114 mm x 114 mm x 22 mm
Weight	7.5 ounces (213 grams)
Case enclosure	IP65 rated* Durability up to 100G shock

OPERATIONAL

Temperature	Range: -20° C to 60° C (-4°F to 140°F)
Light	2 integrated light sensors
Humidity	Up to 95% noncondensing
Barometric pressure	Range of 780 to >1020 mBar
Shock	Available as an instant alert up to 23g
Location	GPS receiver
Communications	GSM quad-band cellular network
Battery	Rechargeable Li-Ion, 1880mAh 1-hour reporting — lasts up to 16 days 24-hour reporting — lasts up to 60 days
Charger	8-slot charging rack Charges in 3 hours (rack) 24 volt, 65 watt AC-DC adapter Micro USB computer and wall-charger capable
Device UI	Status and power LED indicators LCD status display
Software interface	Web-based application at senseaware.com No third-party software required
Accessories	Supports dry ice probe Range: -80° C to 60° C Supports cryogenic probe Range: -195° C to 60° C
Ping device	Ability to know the most up-to-date information without waiting for the next reporting interval

*IP rating is invalidated when the external port cover is not securely in place or while in use with external power or accessory sources.

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