S-400

Wireless, Portable Sensors for Monitoring and Controlling Cold Chain Performance

- Bluetooth®-enabled temperature sensor
- Check temperature readings wirelessly from smartphone, tablet, or fixed gateway
- Single or multi-use with up to 12-month battery life
- Internal sensor and memory for 16,000 data points
- Wireless access through packing materials, containers and cold chain equipment
- Cloud sharing and storage
- Light, compact design to fit easily in packaging

The Zebra S-400 is an easy-to-use, practical and cost-effective solution for wireless temperature tracking. It's small enough to fit into most any size and type of container, cooler or enclosure. Since the sensor is readable through the container walls, it can be used to monitor cold chain performance for temperature-sensitive products, without compromising packaging integrity. Adhesive backing makes placement simple and reliable.

Embedded sensors and Bluetooth® wireless connectivity provide temperature data logging continuously through the product's journey. With the free EDGEVue® app installed on any iOS and Android smartphone or tablet, the geolocation data from the devices and the temperature readings from the sensor can be easily accessed and shared on demand.

In addition, the temperature data can automatically be accessed and uploaded to the cloud using the OCEABridge® gateway.

EDGEVue provides easy user access to establish customized parameters for each use of the S-400, including alarms, data logging intervals, startup options, and time and temperature units.

Data can be transmitted to EDGECloud®, which can be accessed 24/7 from anywhere through the EDGEVue Web app for viewing and reporting.

Sensor Specifications

Single or multi-use, portable
Temperature Range: -30°C to +70°C
(-22°F to 158°F)
Accuracy: +/- 0.3°C
Resolution: 0.01°C
Temperature Display: °C or °F, selectable

Dimensions

Dimensions: L 3.2 x W 1.4 x D 0.3 in (81 x
43.4 x 8.2 mm)
Thickness: 0.3 in (8.2 mm)
Weight: 0.9 oz (25.2 g)
Case: ABS, IP30 protection, adhesive
backing for mounting
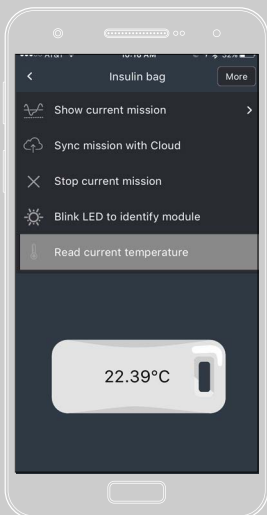**Serial Number:** Unique for each module

Battery

Battery: Li Manganese dioxide/Organic
electrolyte, non-replaceable
Battery Life: Up to 12 months (dependent on
data logging frequency)
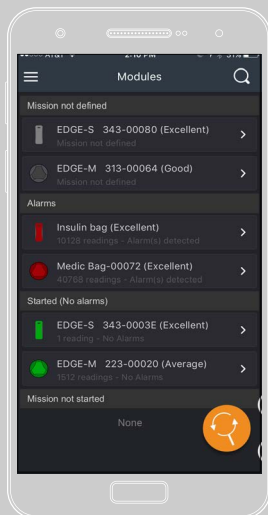**Shelf Life:** minimum 4 months

Data Logging Functions

LED indicator: Alarm status and communication
Alarm Limits: Programmable high and low,
with delay
Startup options: Immediate, Delayed with
programmable threshold
Data logging intervals: Programmable, 15
seconds to 59 seconds (1 second intervals) OR
1 to 255 minutes (1 minute intervals)
Data logging stop: Programmable, memory full,
or overwrite oldest values
Date/Time Stamps: Programmable local time
or GMT
Memory Internal: up to 16,000 data points
Reports: CSV and PDF file formats

Get it on
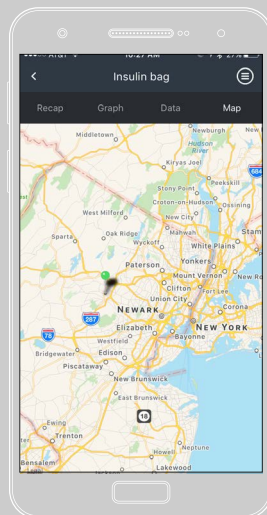**iTunes**

GET IT ON
Google Play

Download the free
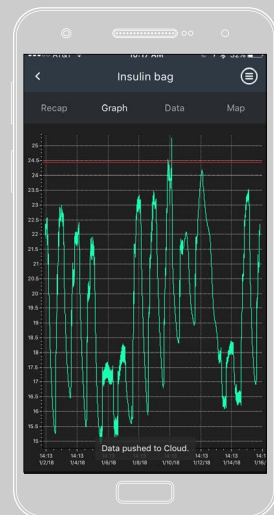EDGEVue® app from
iTunes or Google Play

22.39°C

Use EDGEVue to set up
data logging profile and
preferences

EDGEVue automatically
detects the S-400 sensors
within Bluetooth range

Uses smartphone/tablet
GPS to track routes with
detailed information

Connect to the S-400 to
monitor data on-demand,
anywhere along the
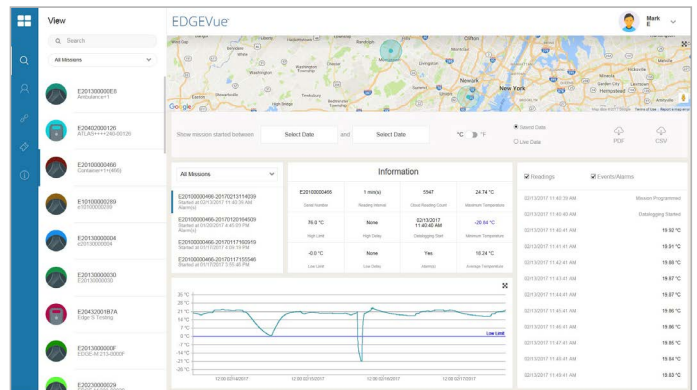delivery route

EDGEVue® and Wireless Specifications

Bluetooth® 4.2 technology

Wireless range: Line-of-sight, up to 50 meters, 164 feet

Device Compatibility: Program and read with iPhone 4S or higher, iPad 3 or higher, and Android 4.4 or higher

Detection: Wireless access through isothermal packaging, refrigerated vehicle siding, freezers, refrigerators and cold rooms (may depend on wall thickness and environmental conditions). EDGEVue App, Free on iTunes and GooglePlay, automatically detects Zebra devices within Bluetooth range. Automatic data collection with EDGEBridge®

Cloud Storage and Access: Store unlimited data on EDGECloud® and access through the EDGEVue Web application for viewing and generating reports

Access, view and manage information from Zebra sensors using the EDGEVue web application.

Tap into the future of temperature monitoring at **zebra.com/electronictempsensors**

COMZ S-400 Fact Sheet V2

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