

## FACT SHEET

ZEBRA M-300 ELECTRONIC  
TEMPERATURE SENSOR



# M-300

## Mobile Sensors for Wireless Temperature Tracking and Data Sharing

- Robust Bluetooth® wireless connectivity
- Tracks temperature of trucks, containers and packaging in transit
- EDGEVue® App for mobile device setup, monitoring and cloud data sharing
- Line-of-sight sensing range of 164 feet (50 meters)
- Internal sensor range -40 to +85°C and memory for 16,000 data points
- Robust IP67 protection against ingress of dust and water immersion

The Zebra M-300 is an advanced electronic temperature sensor that enables easy setup and on-demand tracking with smartphones and other Bluetooth®-enabled devices. With the EDGEVue app, temperature preferences setup, such as ranges and alarms, requires no dedicated equipment, docking stations or computer software installations.

As the M-300 records the temperature, EDGEVue provides fast, on-demand data history — including geolocation data from the mobile device. In addition, the temperature data from the M-300 can automatically be accessed and uploaded to the cloud using the OCEABridge® gateway.

The M-300 is a compact design, with IP67 protection for variable environments, and a magnetic mount for placement inside containers and enclosures. It features three LED status lights and has interchangeable colored sensor rings that can be used to uniquely identify each sensor. The long-life Lithium battery is replaceable.

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### Sensor Specifications

**Multi-use module with replaceable battery**

**Sensor:** Aluminum ring around sensor circumference

**Temperature Range:** -40 to +85°C  
(-40 to +185°F)

**Accuracy:** +/- 0.3°C

**Resolution:** 0.01°C

**Temperature Display:** °F or °C, selectable

**Certifications:** NIST® Traceable Certification, ISO/IEC 17025 (Cofrac) certified or traceable calibration available, EN12830

### Dimensions

**Diameter:** 2 in (50 mm)

**Thickness:** 0.87 in (22 mm)

**Weight:** 2 oz (57 grams)

**Case:** ABS, polycarbonate, aluminum IP67 protection

**Mounting:** 2-sided magnetic mount (“weak” and “strong” sides), adhesive or screw mount

**Module Identification:** Customizable name for each Zebra device

### Battery

**Battery:** Lithium, replaceable (P/N 30-0200)

**Battery Life:** M-300 battery life varies with the ambient temperature. Typically, batteries have a shorter life in colder environments.

### Data Logging Functions

**LED indicator:** Alarm status and communication

**Alarm Limits:** Programmable high and low, with delay

**Startup options:** Immediate, Delayed with programmable threshold, and Start on Magnet contact

**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

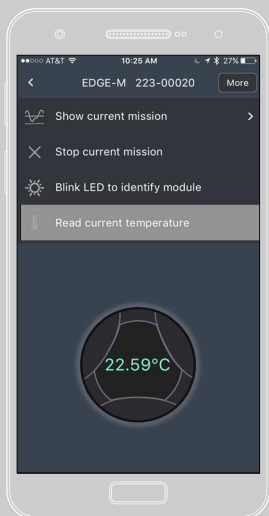
**Date/Time Stamps:** Programmable local time or GMT

**Memory Internal:** up to 16,000 data points

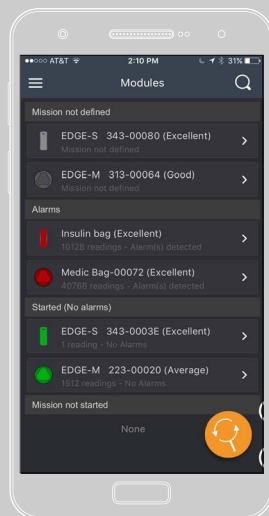
**Reports:** CSV and PDF file formats



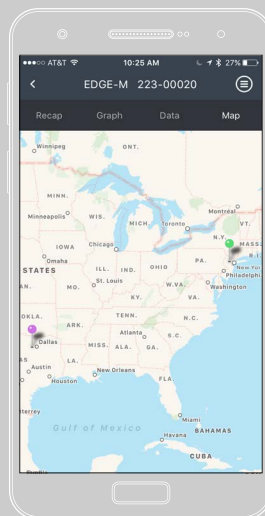
Download the free  
EDGEVue® app from  
iTunes or Google Play



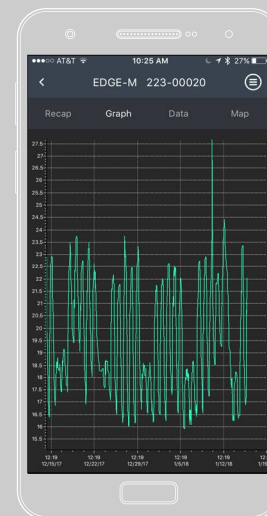
Use EDGEVue to set up data logging profile and preferences



EDGEVue automatically detects the M-300 sensors within Bluetooth range



Uses smartphone/tablet GPS to track routes with detailed information



Connect to the M-300 to monitor data on-demand, anywhere along the delivery route

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**EDGEVue® and Wireless Specifications**

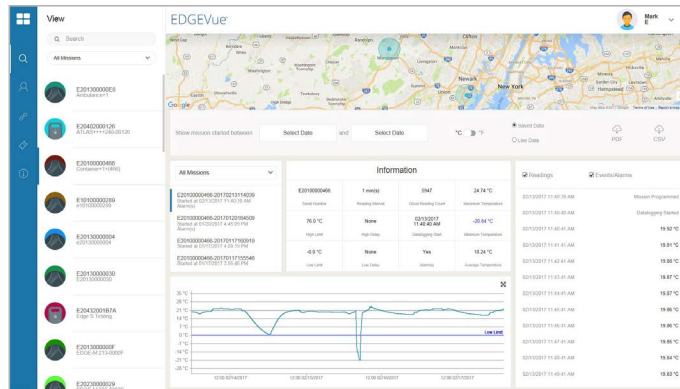
**Bluetooth® 4.2 technology**

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

**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.

**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](http://zebra.com/electronictempsensors)

COMZ Zebra M-300 Fact Sheet V2



**NA and Corporate Headquarters**  
+1 800 423 0442  
inquiry4@zebra.com

**Asia-Pacific Headquarters**  
+65 6858 0722  
contact.apac@zebra.com

**EMEA Headquarters**  
zebra.com/locations  
contact.emea@zebra.com

**Latin America Headquarters**  
+1 866 230 9494  
la.contactme@zebra.com

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