

FACT SHEET

ZEBRA M-300-P ELECTRONIC
TEMPERATURE SENSOR



M-300-P

Extended temperature range sensors for
mobile connectivity and wireless tracking

- External -200 to +200°C temperature probe for extreme environments
- 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)
- Memory for 16,000 data points

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

The M-300-P is a compact design, with IP40 protection for variable environments, and a magnetic mount for placement inside containers and enclosures. It features three LED status lights to indicate alarm, battery, and programmed status. The long-life lithium battery is replaceable.



Download the free EDGEVue®
app from iTunes or Google Play

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Sensor Specifications

Multi-use module with replaceable battery

Probe: External, high-precision PT 100,
1 meter cable

Temperature Reading Range: -200 to +200°C
(-328 to +392°F)

Module Operating Temperature Range:
-40 to +85°C

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: 2.0 oz (57 g)

Case: ABS, polycarbonate, aluminum IP40
protection (PT100)

Mounting: 2-sided magnetic mount (“weak”
and “strong” sides)

Module Identification: Customizable name
for each Zebra device

Battery

Battery: Lithium, replaceable

Battery Life: The M-300-P 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

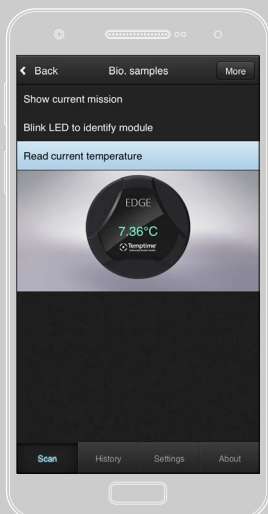
Data logging intervals: Programmable,
15 seconds to 59 seconds (1 second intervals)
OR 1 to 255 minutes (1 minute intervals)

Data logging stop: Programmable, memory full,
or overwrite oldest values

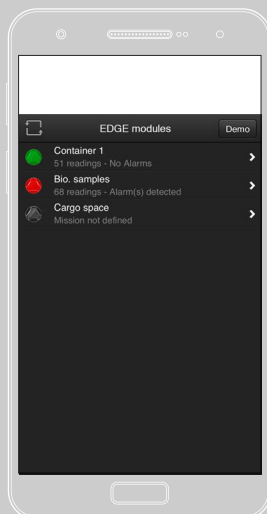
Date/Time Stamps: Programmable local time
or GMT

Memory Internal: up to 16,000 data points

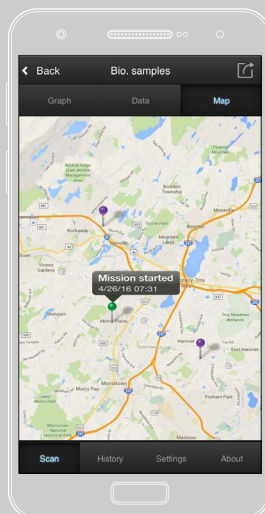
Reports: CSV and PDF file formats



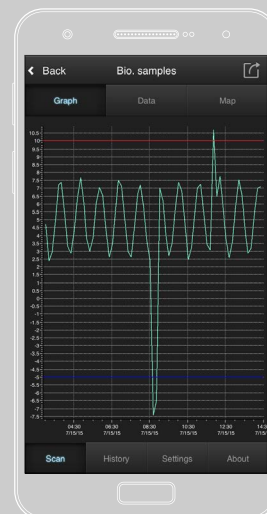
Use EDGEVue to set up
data logging profile and
preferences



EDGEVue automatically
detects the M-300-P
sensors within
Bluetooth range



Uses smartphone/tablet
GPS to track routes with
detailed information



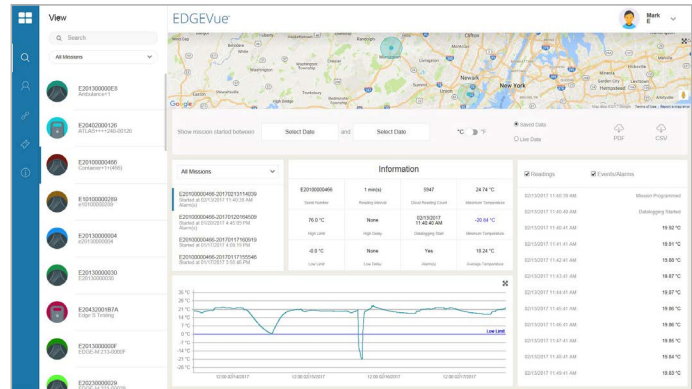
Connect to the M-300-P to
monitor data on-demand,
anywhere along the
delivery route

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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

COMZ Zebra M-300-P 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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