

BTM250

BLE Beacon Tags With Embedded NIST* Traceable Sensors

The BTM250 Series is the ideal pairing with Mobilogix cellular solutions to connect assets in Construction, Cold Chain and Logistics tracking.



PERIPHERAL ASSET TAGGING

BTM250 can be utilized with any Mobilogix Bluetooth Gateway device (MT Series or BAT-X) to tag peripheral assets and aggregate environmental data.

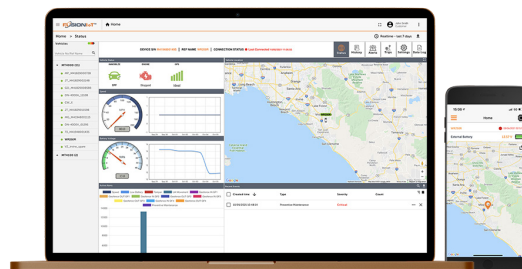
MULTIPLE VARIANTS

BTM250 is currently offered in 3 variants: Environmental; NIST Traceable with calibration according to ISO17025; and Location only.

DISCRETE & DURABLE

BTM250 is IP67 rated to withstand the toughest environmental conditions. Its small profile and footprint enable expanded application where space is at a premium.

Pair BTM250 with Mobilogix Bluetooth Gateways and FusionIoT™ Cloud Platform Plus Connectivity for a mobile and modular end-to-end solution to smart asset management.



PRODUCT DETAILS

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FEATURES AND BENEFITS

- An isolated sensor measurement chamber with environmental membrane ensures the most accurate measurements.
- Mounting ears ensure secure attachment. A white enclosure for BTM250 E, HT & T variants keeps the device discrete in coolers.
- As part of the Mobilogix full tier end-to-end solution, the BTM250 will closely monitor and create actionable data for tagged assets.

Technical Specifications

Bluetooth	Version: Bluetooth 5.1 LE Range Advertising: +15m (LOS) Interval: 3 s (configurable) Encryption: AES-128, SHA-256
BTM250E - Full Environmental	Temperature: -40°C to 85°C Pressure: 300 hPa-1100 hPa Offset temp. coef.: ±1.5 Pa/K Humidity: 0 to 100% RH Accuracy: ±0.5°C to ±1.5°C
BTM250HT* - NIST Traceable Humidity & Temperature	Humidity: 0 to 100% RH Accuracy: ±1.8% Temperature: -40°C to 125°C Accuracy: ±0.2
BTM250T* - NIST Traceable Temperature	Temperature: -40°C to 125°C Accuracy: 0°C to 65°C ±0.2°C Resolution: 0.01°C
BTM250B - Beacon Only	Beacon Only
Electrical	Battery: CR2450 (Li2MnO2); 600 mAh@ 3V Run-time > 4 years (std 3s reporting configuration)
Enclosure	Dimension: 70 x 30 x 8 (mm) Color: Black or White/Textured Hermetic Integrity: IP67 I/O: Momentary Button
Operating Environment	Device & Parts: -20°C to 60°C
Certifications	Regulatory: FCC / IC, Anatel, NIST*