Teletrac Navman



TEMPERATURE MONITORING

Protect Loads, Limit Loss. Enhance Your Reputation

Monitor temperature across your refrigerated fleet with a highly configurable solution that sends temperature data and door status to the TN360 platform.

Collect data from up to 20 wireless sensors* to measure air temperature from multiple positions, confirming that refrigerated air is circulating properly and the required temperature is maintained across compartments.

Combining temperature data with door monitoring gives you complete, real-time visibility, so you can respond quickly to threshold breaches, ensure cargo is loaded at the correct temperature and handle product to best practice. Protect temperature-sensitive loads and demonstrate a commitment that sets your business apart.

Reduce Spoilage
Catch temperature breaches before loads are rejected

Meet Regulations
Prove compliance with accurate temperature records

Ensure Best Practice
Verify correct handling from load to delivery

Secure Loads
Track where doors are opened to limit unauthorised access

Single Compartment



A simple solution using one wireless sensor that monitors temperature and door open or closed status, giving fleet managers operational oversight of temperature-controlled vans and box trucks.

Multi Compartment



Designed for larger trailers, this solution supports up to 20 wireless temperature and humidity sensors and a door sensor, with alert thresholds set by position, giving fleet managers complete oversight.

* When connected to VT202

TECHNICAL SPECIFICATIONS

Wireless Door Sensor

BLE 5.1 Temperature & Door Sensor

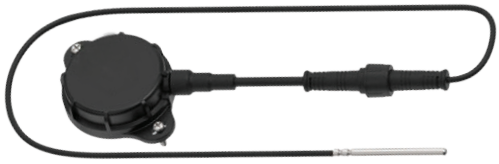


General Specifications

Compatibility	TN360 platform. VT202 and AT551hardware
Connectivity	BLE 5.1
Accuracy	± 0.2 °C for temperature.
Measuring Range	Probe measuring between -30°C ~ +80°C (-22°F ~ 176°F)
Door Status	Real time monitoring for door status
Rating	IP67
Certification	CE, FCC
Dimensions	59.9mm x 40.0mm x 14.6mm (2.36 " x1.57" x 0.57")
Weight	123g (4.36oz, battery included)
Operating temperature	-30°C ~ +80°C (-22°F ~ 176°F)
Temperature accuracy (0-60 °C)	± 0.2 °C (Typical long-term drift <0.02 ° C / year)
Open field transmission range (BLE 5.1)	Up to 200m (656 fts) @ 4 dBm (default). Up to 400m (1312 fts) @ 8 dBm
TFT Eddystone	Yes
Eddystone UID	Yes
Beacon	Yes
Battery	Non-replaceable CR2477 battery (1000mAh)
Power	Output (default): 4dBm (10s Broadcast)
Battery life TFT Eddystone (default)	1100 days @ interval: 5s & TX= 4 dBm (default) & temperature = 25ºC & Temperature on (default) & Accelerometer on (default off) & Magnetometer on (default off)
	1600 days @ interval: 10s & TX= 4 dBm (default) & temperature = 25ºC & Temperature on (default off) & Accelerometer on (default off) & Magnetometer on (default off)
	980 days @ interval: 5s & TX= 8 dBm & temperature = 25ºC & Temperature on (default) & Accelerometer on (default off) & Magnetometer on (default off)
	1400 days @ interval: 10s & TX= 8 dBm & temperature = 25ºC & Temperature on (default) & Accelerometer on (default off) & Magnetometer on (default off)
Battery Life Beacon or Eddystone UID	2200 days @ interval: 5s & TX= 4 dBm
	1900 days @ interval: 5s & TX= 8 dBm
	2700 days @ interval: 10s & TX= 4 dBm
	2500 days @ interval: 10s & TX= 8 dBm

Wireless Temperature Sensor

BLE 5.1 Temperature & Humidity Sensor



General Specifications

Compatibility	TN360 Platform, VT202 (up to 20 sensors) and AT551 (up to 3 sensors) telematics hardware.
Connectivity	BLE 5.1
Accuracy	± 0.1~0.7°C for temperature and ± 0.3~0.7% RH for humidity
Measuring Range	Probe measuring between -40°C ~ +125°C (-40°C to 257°C)
Rating	IP67
Certification	CE, FCC
Dimensions	59.9mm × 40.0mm × 14.6mm 2.36" × 1.57" × 0.57")
Weight	59g (2.4oz, battery and 1-meter probe included)
	36g (1.50 oz, probe not included)
Operating Temperature	Housing: -30°C ~ +80°C (-22°F ~ 176°F)
	Probe: -40°C to 125°C (-40°F to 257°F)
Temperature accuracy	± 0.1~0.7°C
	± 0.7°C (-40°C to -25°C)
	± 0.5°C (-25°C to 0°C)
	± 0.3°C (0°C to 35°C)
	± 0.1°C (35°C to 45°C)
	± 0.3°C (45°C to 90°C)
	± 0.7°C (90°C to 125°C)
	Long-term drift <0.02 / Year)
Humidity Accuracy	± 0.3~0.7% RH
	±5% RH (0% RH to 10% RH);
	±3% RH (10%RH to 90% RH);
	±5% RH (90% RH to 100% RH),
	Long-term drift < 0.25% RH / Year
Probe Length	100cm Cable + 5cm Probe
	Open Field Transmission Range (BLE 5.1): Up to 200m (656 fts) @ 4 dBm
TFT Eddystone	Yes
Eddystone UID	Yes
Beacon	Yes
Battery	Non-replaceable CR2477 battery (1000mAh)
Power Output (Default)	4dBm (10s Broadcast)
Battery Life	1800 Days @ Interval: 10s & TX=0 dBm & Temperature = 25°C &
	Temperature on (Default Off) Only use TFT Eddystone (Default Enable)
	1650 Days @ Interval: 10s & TX=4 dBm & Temperature = 25°C &
	Temperature on (Default Off)