

5QS Temperature Sensor



Product overview

Designed for refrigerated trailers and dry vans, the 5QS Temperature Sensor integrates seamlessly with the 5QS Solar Charging Asset Tracker, offering real-time temperature and humidity monitoring. Users are alerted in real-time if temperatures fluctuate too high or too low, keeping your goods in perfect condition.

Temperature data is stored on a cloud platform for easy monitoring, while the device's internal battery supports up to 3 years of operation with 30-second update intervals. The sensor is encased in an IP65-rated housing, ensuring durability in harsh weather conditions.

Specifications

Dimensions (in)	1.6(W) x 1.6(L) x 0.7(H)
Weight	0.9 oz
Bluetooth	BLE 4.2. 2.4GHz
Transmission distance	88 ft
Battery	1000mAh U-MnO2 battery
Service life	3 years (one update <Nery 30s)
Temperature range	-4°F ~ +158°F
Temperature error	±32.9°F (50°F to 122°F); ±35.6°F (≤50°F to ≥122°F)
Humidity range	0% RH to 100% RH
Humidity error	±2.5% RH (0% RH to 90% RH); ±3.5%RH(>90% RH)
Update rate	1s
Response time	≤15s (at 1m/s air speed)
Sampling interval	25s (the unit broadcasts the data for 5s after sampling and the broadcast interval is 400ms)
Operating temperature	-4°F ~ +158°F
Storage temperature	-40°F ~ +140°F