Copeland cargo monitoring solutions

COPELAND

Copeland Cargo Solutions

We help retailers, suppliers, growers, shippers, exporters and restaurants ensure only the freshest and safest foods reach consumers. Our core technologies - coupled with our cold chain expertise - provide complete temperature monitoring solutions for our customers. We place data at your fingertips to make food quality and safety decisions easier and faster. Product offerings include real-time, wireless systems, as well as single-use data loggers.

GO PDF Mini Logger
Temperature monitoring logger

The GO PDF Mini loggers monitor time and temperature of perishable products during distribution and storage. These easy-touse loggers eliminate the need for reading devices and proprietary software and are optimal for applications requiring fully independent operation – simply activate and place with your shipment.

Technical specifications

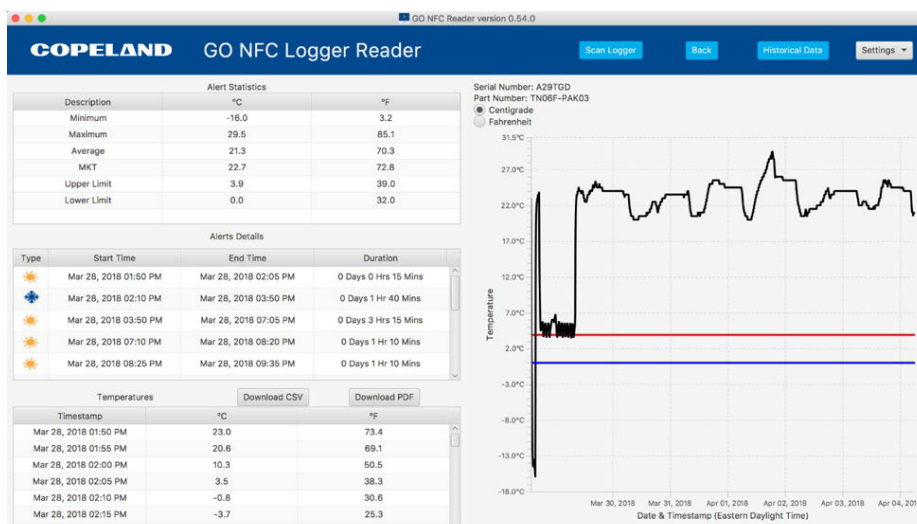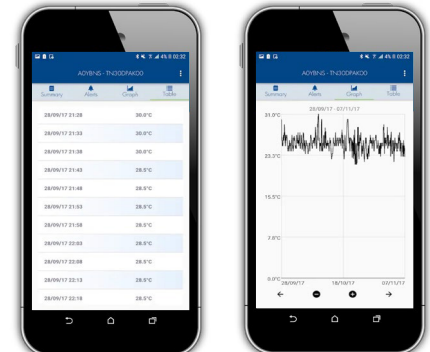|	
Alarm Indicators:	No (historical data logger only)
Battery:	UN38.3 compliant
Certifications:	FCC, CE, RoHS, EN12830
CSV File:	Yes
Export To Other Applications:	Generates PDF, CSV
In-Use Life:	15, 60, 90 days (3, 12 and 20 min recording intervals, respectively)
IP Rating:	IP67
Marking Capabilities:	No
Operating Environment:	-30°C to 70°C (-22°F to 158°F)
Operating System:	Windows 32 bit, 64 bit
Recording interval:	Every 3, 12 and 20 minutes
Resolution:	0.1 °C
Shelf Life:	12 months
Size:	22 mm x 75 mm (0.87 in x 2.95 in) without pouch
Start Delay:	30 minutes
Stop Button:	No
Temperature Accuracy:	±0.5°C typical between -20°C to 40°C (-4°F to 104°F) ±1.0°C (other ranges)
Time Zone:	Reconciled to UTC
Weight:	12.00 g (0.42 oz)

GO NFC Logger

Time & temperature data through a mobile device

GO NFC Loggers monitor time and temperature of lifescience products during distribution and storage. Loggers are flat and transfer data via short-range, near field communications (NFC) using phones and tablets. Logger data is immediately available via mobile application or using the GO NFC Pad Reader. In addition, GO NFC Loggers leverage the capabilities of Android and iOS phones and eliminate the need for proprietary readers. Data is easily sent to any email address via the mobile application.
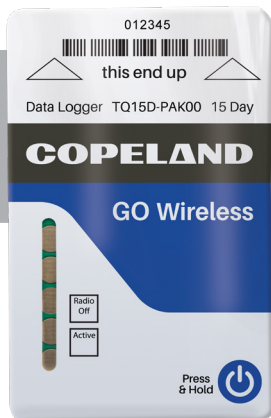
Cloud-based access customers who are interested in maintaining 24/7 historical records can subscribe to cloud upload capabilities where data can be accessed whenever needed.

Technical specifications

Alarm Configurations:	Upper/lower/both/none
Alarm Indicators:	LEDs indicate temp over/under/OK
Certifications:	FCC, CE, RCM, China RoHS, WEEE
Memory:	1922 hard data points
Nist Traceable:	Yes
Operating Environment:	-25°C to 60°C (-13°F to 140°F)
Read Range:	Up to 5.08 cm (2 in)
Reading Redundancy:	GO NFC Pad Reader
Recycle Options:	GO GreenSense™ Program
In-Use Life:	6 days, 15 days, 30 days, 60 days, or 90 days
IP Rating:	IP67
Shelf Life:	15 months
Size:	61 mm x 81 mm (2.4 in x 3.4 in)
Start Delay:	Standard 30 minutes, customizable
Supported Readers:	Android™ 4.1/ iPhone® 7 or newer with the NFC app, NFC-enabled tablets, NFC Pad Reader with software Mac and Windows compatible
Temperature Accuracy:	-25°C to 60°C (-13°F to 140°F): ±0.5°C (32.9°F)
Temperature Resolution:	0.1°C (32.2 °F)
Temperature Sampling Frequency:	One minute, 5 minute average record
Weight:	14.2 g (0.5 oz)

Scan the QR code and download the GO NFC Reader on your phone
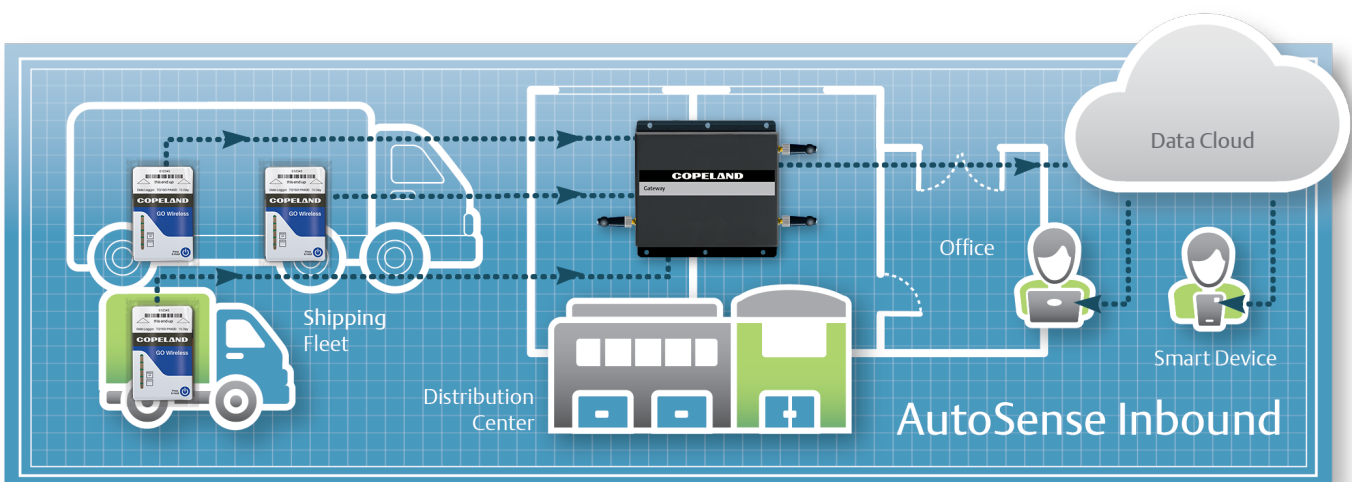
AutoSense™ Inbound

A complete automatic wireless temperature monitoring system

Inbound monitoring is self-contained, utilizes cellular networks, and does not require IT departments to oversee installation or ongoing maintenance. GO Wireless Loggers arrive at the location and are automatically uploaded by the readers. Temperature data is sent via a cellular modem to a cloud repository where text email alerts are created and delivered to predefined individuals.

Technical Specifications

Go Wireless Logger

Alarm Configurations:	Upper/lower/both/none (consecutive)
Calibration:	Silicon based sensor is calibrated at the time of manufacture by Texas Instruments; NIST certificate of traceability available
Frequency:	US 915 MHz or EU 868 MHz
In-Use Life:	Up to 30 days, more in-use life with hibernation
Memory:	1922 hard data points
Read Range:	91 meters (300 feet)
Shelf Life:	12 months, Frozen SKU: 8 months
Size:	60 mm x 84 mm (2.4 in x 3.3 in)
Start Delay:	Standard 30 minutes, customizable
Temperature Accuracy:	+/- 0.5 typical between -20°C to 60°C (-4°F to 140°F) Temperature Resolution: 0.1°C
Temperature Sampling Frequency:	One minute, five minute average record
Weight:	17 g (0.6 oz)
Reader Specifications	
Frequency:	US 915 MHz or EU 868 MHz
Indicators:	3-color LEDs showing system status and signal strength
Internet Connectivity:	Can utilize existing 802.11 WiFi or hardwire Ethernet connection at customer request; US 2.4Ghz ISM WiFi frequency band; multiband security mixed WPA/WPA2-PSK; FCC, IC, CE, RCM, WEB, WWAN 4G/3G/2G
Power:	110VAC Read Range: 91 meters (300 feet)
Installation & Remote Maintenance:	Performed by Copeland

GO Real-Time 4G/5G Tracker

Temperature, location and security with dual-mode 4G/5G coverage

Keeping track of shipments has never been easier with the GO Real-Time 4G/5G Tracker. Using cellular technology, trackers provide temperature and location alerts as your shipment moves through the supply chain. And now, with our 4G/5G cellular technology, connectivity and access to your data is further enhanced. Rest assured that visibility to temperature, humidity, and location data will be available despite the ongoing transition in the cellular technology industry.

Technical specifications

Battery:	UN38.3 Compliant
Cellular:	CAT M1/NB1: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B28 EGPRS: 850/900/1800/1900MHz
Certifications:	FCC, IC, CE, PTCRB, RCM, IFETEL, RTCA/DO-160G Compliant
Device Storage:	Optimal: Below 20°C and 60% RH
Humidity Accuracy:	At 25°C, between 20% RH and 80% RH: ±10% RH
Humidity Range:	20% to 95% operation typical
In-Use Life:	Tri-mode with up to 20 days of operation, 6-minute measurements reported at 18-minute intervals
IP Rating:	IP44
Light Sensor Sensitivity:	±0.5 Lux, minimum detectable 1.0 Lux

Oversight Dashboard:	Copeland.com/Oversight
Shelf Life:	Shipped with a minimum in-use and shelf life of approximately 6 months. Please check the "Activate By Date" on the product box and follow a firstin- first-out process.
Size:	76 mm x 51 mm x 19 mm (3.0 in x 2.0 in x 0.75 in)
Temperature Range:	-20°C to 60°C (-4°F to 140°F) operating environment LT (Low Temperature) model -30°C to 60C (-22°F to 140°F)
Temperature Accuracy:	±0.5°C (0.9°F) typical between -20°C to 60°C (-4°F to 140°F)
Weight:	68 g (0.15 lbs)

GO Real-Time XL 4G/5G Tracker

Temperature, location and security with dual-mode 4G/5G coverage

Extended battery life provides full coverage for your products on the road, in the port and out on the water. When your ship leaves port, the GO Real-Time XL 4G/5G Tracker keeps track of the temperature and humidity. Every time the ship nears port, the unit automatically connects and uploads data before the ship reaches the docks. And now, with our tri-mode 4G/5G cellular technology, connectivity and access to your data is further enhanced. Rest assured that visibility to temperature and location data will be available despite the ongoing transition in the cellular technology industry. The GO Real-Time XL 4G/5G Tracker senses light when doors are opened and alerts you when your products are at risk on the road.

Technical specifications

Battery:	UN38.3 Compliant
Cellular:	CAT M1/NB1: B1/B2/B3/B4/B5/B8/ B12/ B13/B18/ B19/B20/B26/B28 EGPRS: 850/900/1800/1900MHz
Certifications:	FCC, IC, CE, PTCRB, RCM, IFETEL, KCC, RTCA/DO-160G Compliant
Device Storage:	Optimal: Below 20°C and 60% RH
Humidity Accuracy:	At 25°C, between 20% RH and 80% RH: ±10% RH
Humidity Range:	20% to 95% operation typical
In-Use Life:	Tri-mode with up to 60 days of operation, 10-minute measurements reported at 60-minute intervals
IP Rating:	IP44
Light Sensor Sensitivity:	±0.5 Lux, minimum detectable 1.0 Lux

Oversight Dashboard:	Copeland.com/Oversight
Shelf Life:	Shipped with a minimum in-use and shelf life of approximately 6 months. Please check the "Activate By Date" on the product box and follow a firstin- first-out process.
Size:	76 mm x 51 mm x 19 mm (3.0 in x 2.0 in x 0.75 in)
Temperature Range:	-20°C to 60°C (-4°F to 140°F) operating environment
Temperature Accuracy:	±0.5°C (0.9°F) typical between -20°C to 60°C (-4°F to 140°F)
Weight:	68 g (0.15 lbs)

GO Real-Time Reusable 4G/5G Tracker

Temperature, location and security dual-mode 4G/5G coverage

GO Real-Time Reusable 4G/5G-LT Tracker is a temperature monitoring solution that does not require fixed installation or hardware maintenance, with continuous coverage for your products over the road. The reusable solution is designed for customers who would like to reuse the same tracker on multiple shipments. With our 4G/5G cellular technology and ability to recharge, access to your data is further enhanced. The GO Real-Time Reusable 4G/5G-LT Tracker senses light when doors are opened and alerts you when your products are at risk on the road.
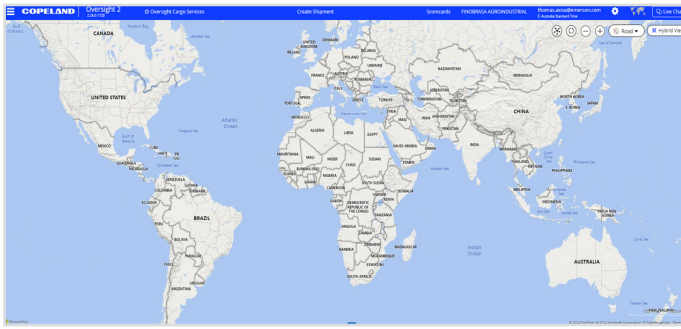
Technical specifications

Battery:	UN38.3 Compliant
Cellular:	CAT M1/NB1: B1/B2/B3/B4/B5/B8/ B12/ B13/B18/B19/B20/B26/B28 EGPRS: 850/900/1800/1900MHz
Certifications:	FCC, IC, CE, PTCRB, RCM, IFETEL, RTCA/DO-160G Compliant
Device Storage:	Optimal: Below 20°C and 60% RH
Humidity Accuracy:	At 25°C, between 20% RH and 80% RH: ±10% RH
Humidity Range:	20% to 95% operation typical
In-Use Life:	Tri-mode with up to 60 days of operation, 10-minute measurements reported at 60-minute intervals
IP Rating:	IP44

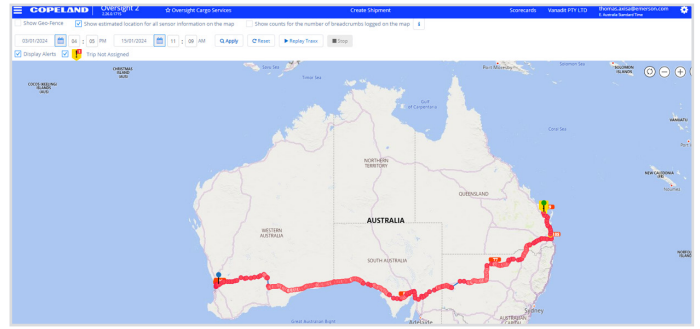|	
Light Sensor Sensitivity:	±0.5 Lux, minimum detectable 1.0 Lux
Oversight Dashboard:	Copeland.com/Oversight
Shelf Life:	Shipped with a minimum in-use and shelf life of approximately 6 months. Please check the "Activate By Date" on the product box and follow a firstin- first-out process.
Size:	78 mm x 52 mm x 33 mm (3.07 in x 2.06 in x 1.31 in)
Temperature Range:	-30°C to 60°C (-4°F to 140°F) operating environment
Temperature Accuracy:	±0.5°C (0.9°F) typical between -20°C to 60°C (-4°F to 140°F)
Weight:	136 g (0.30 lbs)

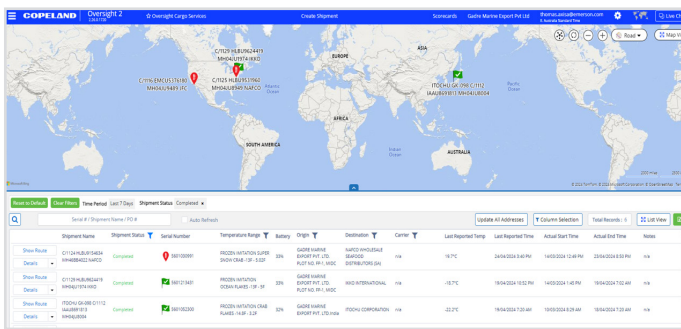# Oversight Software and Services

Oversight dashboard

Comprehensive and automated reporting is provided through the Oversight Dashboard. Visit Copeland.com/Oversight and enter the GO Real-Time Tracker serial number. Access real-time information about your shipment or login to your secure web portal and see all of your shipments at a glance.
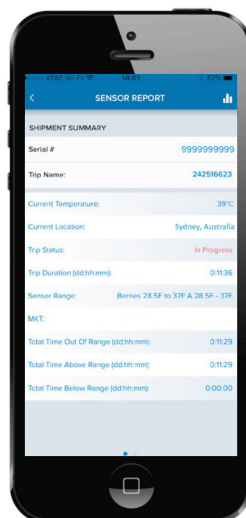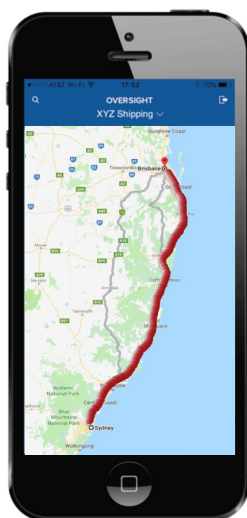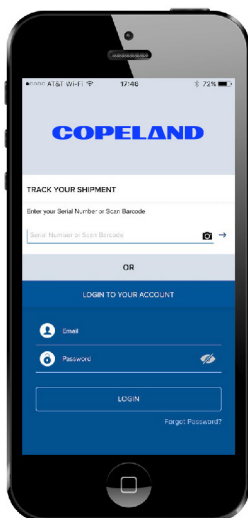

Oversight Map View

Oversight Shipment View

Oversight Shipment Route

Oversight Shipment Details

Oversight mobile

Oversight mobile enables you to view critical shipment details including temperature and location in real-time, direct from your smartphone. GO Real-Time Tracker are placed on perishable shipments and communicate data via cellular connectivity. Simply open the Oversight Mobile app to view data or set up alerts to be sent directly to your smartphone. Available on Andriod and iOS devices.

Scan the QR code and download Oversight on your phone

Oversight Cargo Services

Track Your Shipment

Provide customers and employees direct access to track real-time critical shipments

Designed with growers and producers in mind, the Track Your Shipment module provides quick and easy access to real-time in-transit, perishable shipment data. Our website widget can be easily embedded on the homepage of your website for easy customer access. Or, the widget can be placed on your internal intranet enabling employees to do quick order and quality tracking.

The interface allows users to simply input a GO Real Time Tracker serial number to gain visibility to location and temperature data. Choose from five color options to customize the user experience to your website and brand standards.

Benefits

- No cost and convenient method to track perishable shipments and obtain visibility to shipment and temperature data

- Improve operational efficiency, enhance transparency and promote food quality and safety

- Match design to fit existing branding, customize the experience and elevate your brand

Data Integration
Consolidate and automate data streams of shipment information into the platform of your choice
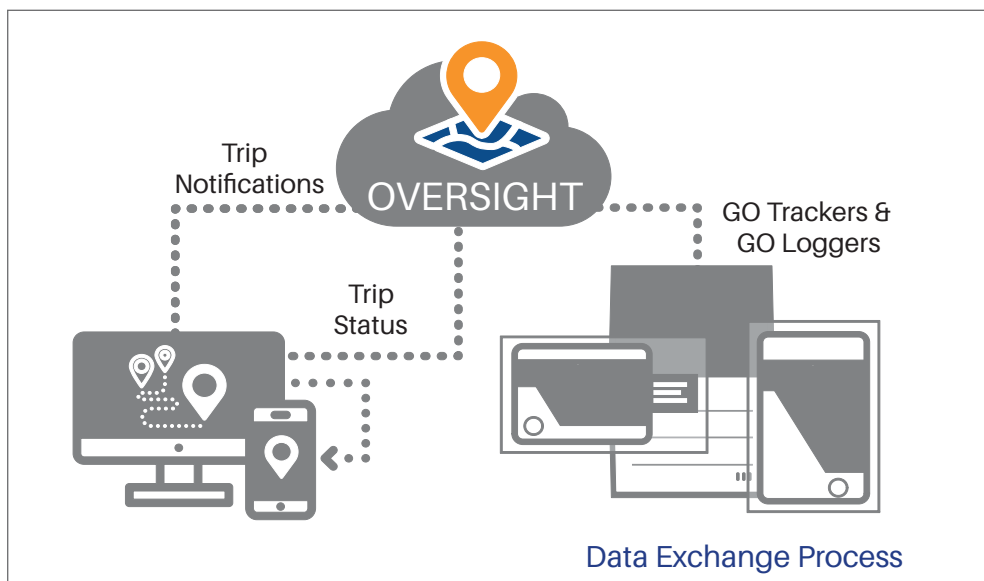
Consolidating data streams of shipment information and scores of temperature monitoring data can drastically improve the efficiency of your operation. We provide seamless in-transit cold chain data integration for those seeking to consolidate shipment data into existing software platforms.

- Eliminate disparate platforms, siloed data streams and countless logins
- Reduce duplicate work by streamlining shipment creation and processes into one system
- Receive shipment updates, temperature and sensor alerts in a single view

All while enjoying the robust cold chain data provided by Oversight, our cloudbased temperature monitoring portal.

Benefits

- Automate create shipment process and receive logger or tracker data seamlessly
- Seek to lessen overhead costs and utilize staff for other priority responsibilities
- Simplify your operation and consolidate in-transit cold chain data

Trip Notifications

OVERSIGHT

GO Trackers &
GO Loggers

Trip Status

Data Exchange Process

About Copeland

Copeland, a global provider of sustainable climate solutions, combines category-leading brands in compression, controls, software and monitoring for heating, cooling and refrigeration. With best- in-class engineering and design and the broadest portfolio of modulated solutions, we're not just setting the standard for compressor leadership; we're pioneering its evolution. Combining our technology with our smart energy management solutions, we can regulate, track and optimize conditions to help protect temperature-sensitive goods over land and sea, while delivering comfort in any space. Through energy-efficient products, regulation-ready solutions and expertise, we're revolutionizing the next generation of climate technology for the better.

Scan to visit:

Copeland Asia   Cargo Solutions

Technical Support is available 24 hours a day, 7 days a week.
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