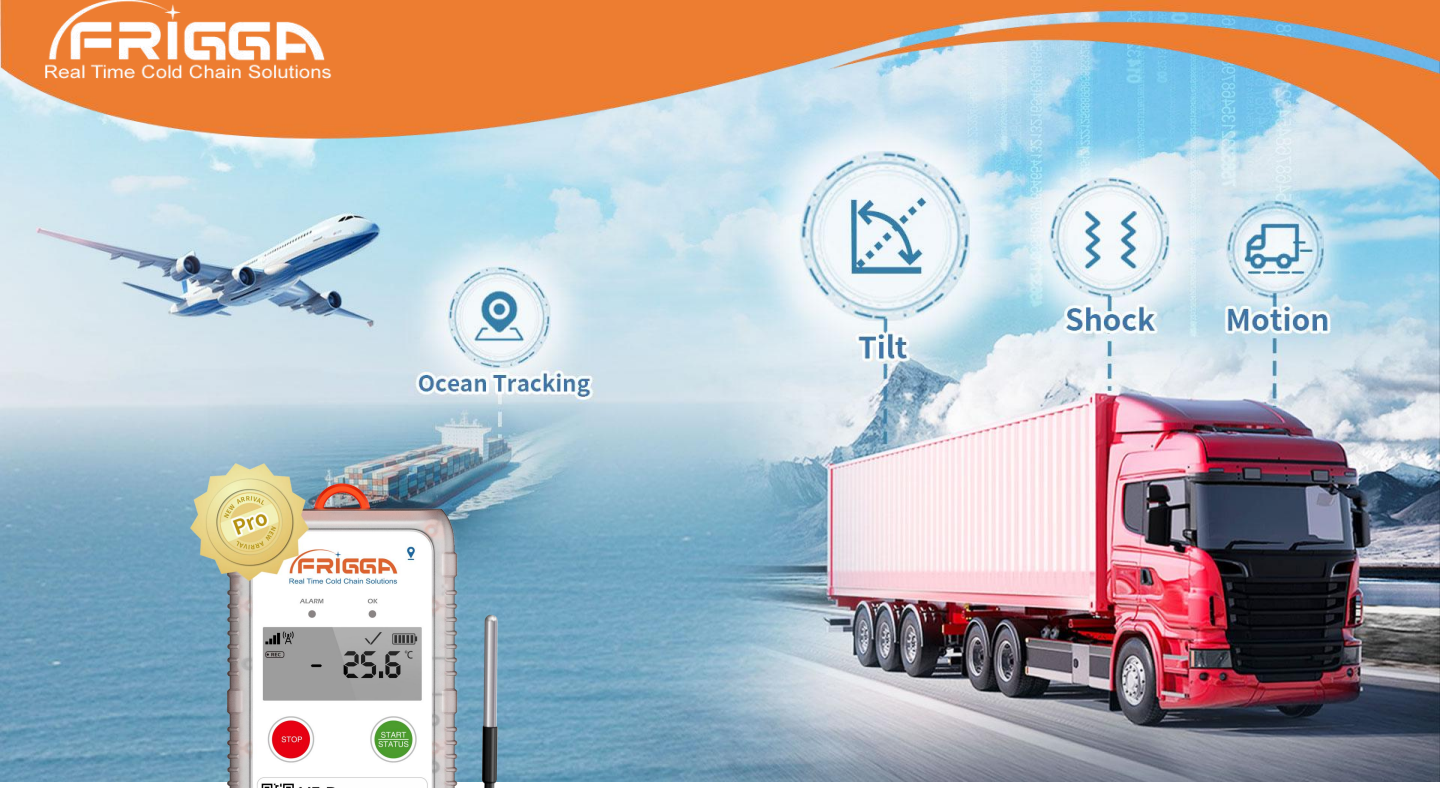
FRIGGA
Real Time Cold Chain Solutions



Frigga V5-(Y)-Pro-(Li) 5G Real-time Monitor (Single-use)



Frigga®V5-(Y)-Pro-(Li) is a new technological innovation from Frigga, it is a comprehensive improvement of modal V5C. The product offers revolutionary location experience, with accuracy range ±10m, providing customers unparalleled hyper-accurate location during shipments transit.

With Frigga®V5-(Y)-Pro-(Li), clients will get full picture of shipment conditions, including dual-temperature, humidity, light, shock, tilt, motion status, location and receive immediate alarms in real-time if things go wrong, enabling timely corrective actions to reduce losses.

Frigga®V5-(Y)-Pro-(Li) is fully featured, robust, versatile and powerful real-time visibility tool for food supply chain, transportation of high-value commodities, like electronics, chemicals, luxuries, etc.

Intergrating self-developed Frigga® Track APP and Frigga® IoT Cloud Platform, clients can easily check and get all the shipment data anywhere at any time they want.

Key Features and Advantages

- 5-Mode positioning technology, includs Satellite (GPS, GLONASS, BeiDou), A-GPS, self-developed mixed LBS, Wi-Fi Position, Ocean Tracking, location accuracy±10m
- 3-axis acceleration detection and analysis, with the range of 0-16G
- 8-level shock detection and analysis
- 3-axis tilt detection and analysis, Resolution 0.1°
- Motion status detection to inform if shipments remain at rest, or in motion state
- Incorporate ocean tracking technology to provide on-sea location, ETA/ETD and container status
- Real-time monitoring of dual-temperature, humidity, light, shock, tilt, location, motion status and ETA/ETD (ocean tracking)
- Real-time alerts to receivers via Email, SMS, APP (Android and iOS)
- Dual system design: PDF report can be downloaded via USB port or remotely through the Frigga cloud platform
- Large-capacity local storage, keep recording and storing data in offline mode. Zero data loss.
- Support remote parameter setting, modify alarm threshold, etc.
- Digital display, easy to use.

Frigga® Cloud Platform

Frigga cloud platform provides full real-time supply chain visibility. The platform supports global use, and provides following services throughout the process:

- Hyper-accurate location
- Shipment ETA/ETD, trans-shipments data
- Real-time dual-temperature, humidity, light, shock, tilt and location
- Real-time notifications and alarms
- Long-term data storage
- Data analysis report
- Comply with GSP/FDA
- Available on mobile/PC





FRIGGA® V5-(Y)-Pro-(Li) 5G SPECIFICATIONS

Modal	V5-(Y)-Pro-(Li)-60	V5-(Y)-Pro-(Li)-120
Usage Type	Single-Use	
Monitor Information	Dual-temperature, Humidity, Light , Shock, Tilt, Location, Motion, ETA/ETD (Ocean Tracking)	
Location Type	Satellite (GPS, GLONASS, BeiDou), A-GPS, self-developed mixed LBS, Wi-Fi Position, Ocean Tracking	
Location Accuracy	Satellite/GPS: 10 m, Wi-Fi Geolocation: 100 m, Cellular Triangulation: 500 m	
Temperature Sensor	Internal dual-temperature Sensor (NIST Traceable)	
Dual-temperature Measurement Range	External: -40°C to 80°C (-40°F ~ 176°F) Internal:-30°C to 70°C (-22°F ~ 158°F)	
Temperature Accuracy Range	±0.5°C (-20°C to +40°C); ±1°C for other range	
Humidity Measurement Range	5%~95%RH	
Humidity Accuracy Range	±3%(20%~80%RH); ±5% for other range	
Resolution(dual-temperature/Humidity)	0.1°C / 1%RH	
Light Sensor Range	0~52,000 Lux, detect whether doors or cartons open	
Tilt Resolution	0.1°	
Memory Capacity	Max 28,800 readings	
Cellular	Global LTE 4G/5G, fallback 2G network.	
SIM Card	Internal Embedded (Global Data Roaming)	
Shelf Time	12 Months	
Use Time	• 60 days (60 Min reporting interval) • 30 days (30 Min reporting interval) • 20 days (20 Min reporting interval) • 10 days (10 Min reporting interval)	• 120 days (120 Min reporting interval) • 60 days (60 Min reporting interval) • 30 days (30 Min reporting interval) • 20 days (20 Min reporting interval) • 10 days (10 Min reporting interval)
Data Logging Interval	10 Min. (settable via platform)	
Data Reporting Interval	10 Min. (10/20/30/60 Min settable via platform)	10 Min. (10/20/30/60/120 Min settable via platform)
Environmental Rating	IP64	
Cold Chain PDF Report	Get PDF report via USB2.0/ Frigga cloud platform/Frigga Track (Mobile App)	
Dimensions/Weight	103 x 61.3 x 23 mm / 250 grams	
Certifications	FCC, CE, RTCA/DO-160G, UN38.3, ROHS, WEEE, EN12830	
Storage dual-temperature range	-10°C to +55°C	