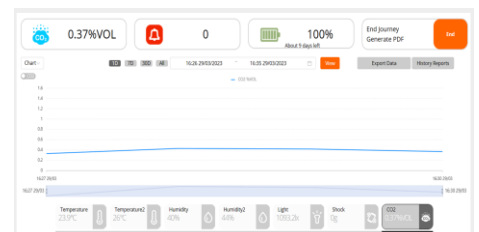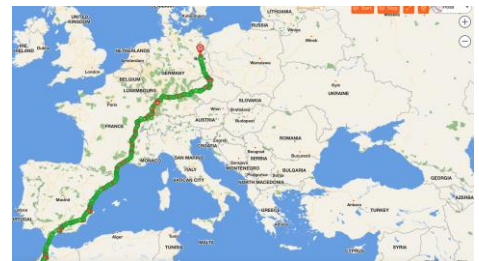# V5 CO2 (5G-120)

Real-time Monitor (Single-Use)

Frigga V5 CO2 is the most advanced real-time CO_2 portable single use data logger with 5G connectivity on the market. The device is able to monitor CO_2 level in air and nitrogen, while also monitoring temperature, humidity, vibration, light and location.

Frigga V5 CO2 delivers unprecedented visibility for transportation and storage of fresh produce and other CO_2 sensitive goods, providing customers with a reliable and cost-effective quality control solution.

Frigga V5 CO2 is a fully featured, robust, versatile and low cost real-time visibility tool for transportation and warehousing of perishable products, that incorporates alerting mechanisms to ensure timely corrective actions, and automated data analysis for successful compliance and process improvement.

Key Features and Advantages

- Real-time handheld CO_2 monitor with high accuracy sensor and a measuring range of 0% - 100%

- Temperature monitoring range -30°C to +70°C

- Different sensor variants that ensure a wide range of applications

- Real-time reporting of CO_2 level, dual temperature, dual humidity, light, vibration and location

- Real-time alerts via Email, SMS and the FRIGGA TRACK® app (Android and IOS)

- Data redundancy design: PDF report can be downloaded via USB port or remotely through the Frigga Cloud® platform

- Large internal memory allows recording and storing in offline mode. Data transmission resumes when signal is available. No data loss

- Supports fully remote parameter setting (alarm thresholds, recording and reporting frequency, etc)
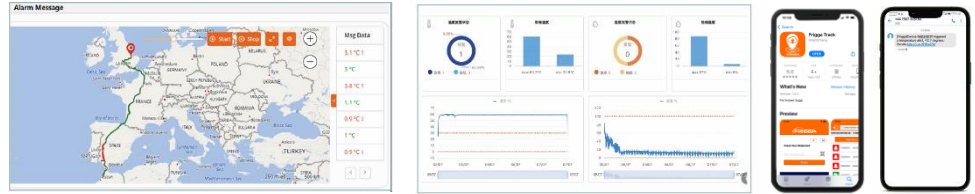
- Digital display, easy to use

Frigga Cloud® Platform

Frigga Cloud® platform provides full real-time supply chain visibility.

The platform supports global access, and provides the following features:

- Real-time temperature & CO_2 monitoring
- Real-time Location, Humidity, Light and Vibration
- Arrival notification
- Dynamic playback of the whole trajectory
- Long-term data storage
- Data analysis report
- FDA/GxP Compliance
- Available on mobile/PC

Specifications	Details
Usage Type	Single-use (Max 120 days)
Monitor Information	CO_2, Temperature, Humidity, Light, Shock, Location, Route
Internal Sensor	Temperature, Humidity, Light, Shock
External Sensor	Temperature, Humidity, CO_2
Measurement Range	CO_2: 0-100 VOL% Temperature: -30°C to 70°C (-22°F to 158°F) Relative Humidity: 5% - 95%
Sensor accuracy	CO_2: ±2% of reading Temperature: ±0.5°C (-20°C to +40°C); ±1°C for other range Relative Humidity: ±3% (20% - 80%); ±5% for other range
Resolution	0.1% CO_2 /0.1°C/1% RH
Light Sensor Range	0-52,000 Lux, detect whether doors or package are opened
Memory Capacity	Max 28800 records
Location Type	Base station positioning (even indoor; cold and frozen storage and container conditions)
Cellular	Global LTE 4G/5G, fallback 2G network
SIM card	Internal Embedded (Global Data Roaming)
Shelf Life	12 Months
Use Time	Up to 120 days configurable based on reporting interval
Data Logging Interval	10 Min. (configurable via platform)
Data Reporting Interval	120 Min. (configurable via platform)
Information indication	LCD: Max/Min/Avg temperature, Temperature Alarm, Working Status
Environmental Rating	IP64
PDF Report	PDF report via USB2.0/Frigga cloud platform/Frigga Track (Mobile App)
Dimensions/Weight	103 x 61.3 x 23 mm (L*W*H), 200 grams
Certifications	FCC, CE, RTCA/DO-160G, UN38.3, ROHS, WEEE
Storage Conditions Range	Recommended 20% to 60 % RH, -10°C to 55°C