FRIGGA
Real Time Cold Chain Solutions





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Frigga V5-(C)-Plus

Key Features and Advantages

- 16.9 mm slim design, perfectly embedded in the pharma cold box;
- Multi-level alarm systems, support single & accumulative, pre-alarm;
- Super-Bluetooth gateway solution, support ±150M in open space;
- Track shipment via QR code, 24/7 always on LCD, no need to press a button to wake up the screen;
- Waybill management system on screen to show more logistics information;
- Self-developed algorithm & silent recording mode, support remote start, parameter setting, and PDF report export;
- Dual communication system, when there is no signal, use Frigga APP to upload data to the platform, zero data loss;
- 5-Mode positioning technology, includes GPS, A-GPS, LBS, Wi-Fi Position, Ocean tracking;
- Temperature range -30°C to +70°C, real-time monitoring of temperature, humidity, light, Acceleration (shock), tilt, location, and motion status;
- 3-axis acceleration & tilt detection, analyze crash, tip-over events;
- Auto flight mode supported;
- Multi-use modal to support long time use, drive sustainable and save cost;
- Multi-point calibration report for each device;
- Real-time alerts to receivers via Email, SMS, APP (Android and iOS).

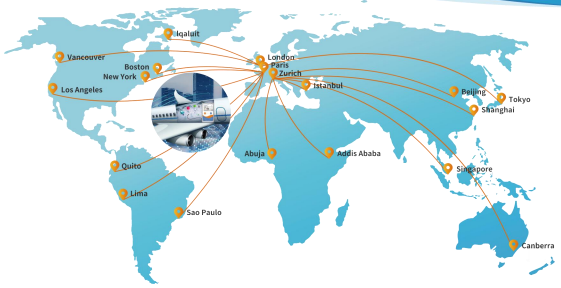




Frigga®Cloud Platform & Mobile APPs

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

- Comply with GxP, FDA 21 CFR part 11, ISO27001, ISO9001;
- Multi-level alarm systems;
- Dashboard and data analysis for Pharma;
- Multi-leg shipment management;
- Support ocean tracking , ETA/ETD and ocean location;
- Support remote start, parameter setting, and PDF report export;
- Data traceability and long-term cloud storage;
- Multi-level account management;
- Audit log, report endorsement;
- Calibration report, available on the platform.







Specifications	V5-(C)-Plus-(Li)-60	V5-(C)-Plus-(Li)-120	V5-(C)-Plus-(Non-Li)-60	V5-(C)-Plus-(Non-Li)-120
Device Type	Single-Use			
Monitor Info.	Temperature, Humidity, Light, Acceleration (Shock), Tilt, Location, Motion			
Button Info.	Stop, Sync, Start			
LCD info.	Sensor data, Signal, Battery, Alarm State, Working State, Shipment Info., QR Code, Data Readings			
Connector Info.	Water proof Type-C USB, charge device & export report			
Location Method	5-Mode positioning technology, includes GPS (GPS, BeiDou, GLONASS), A-GPS, Base Station Positioning, Wi-Fi Position, Ocean Tracking.			
Temp. Range	-30°C to +70°C (-22°F to +158°F)			
Temp. Accuracy	±0.5°C (-20°C to +40°C); ±1°C for other range			
Humidity Range	5%-95%RH			
Humidity Accuracy	Range ±3%(20%~80%RH); ±5% for other range			
Light Sensor Range	0-52,000 Lux, detect door open			
Cellular	Global LTE 4G/5G, fallback 2G network			
Bluetooth Gateway	Support working with Frigga beacons			
Memory Capacity	Max 28,800 readings			
SIM card	Internal Embedded (Global Data Roaming)			
Battery	Li-ion		Non-lithium	
Shelf Life	12 Months		6 Months	
Use Time	10-60 days (Based on reporting interval)	10-120 days (Based on reporting interval)	10-60 days (Based on reporting interval)	10-120 days (Based on reporting interval)
Recording Interval	10 Min (1/2/5/10/20/30/60 Min, settable via platform)			
Reporting Interval	60 Min (10/20/30/60 Min) settable via platform	120 Min (10/20/30/60/120 Min) settable via platform	120 Min (20/40/60/120 Min) settable via platform	240 Min (20/40/60/120/240 Min) settable via platform
Environmental Rating	IP65			
Dimensions/Weight	105mm x 65mm x 16.9mm, 130g;		105mm x 65mm x 19.9mm, 170g	
Certifications	FCC, CE, RTCA/DO-160G, UN38.3, RoHS, WEEE, EN12830, IATA PI967, 60+ Major Airlines Approval			