



**Facility
Monitoring**

lisaline[®]
bringing cold chain innovations

**When DEGREE[°] is critical for
facilities, equipments**



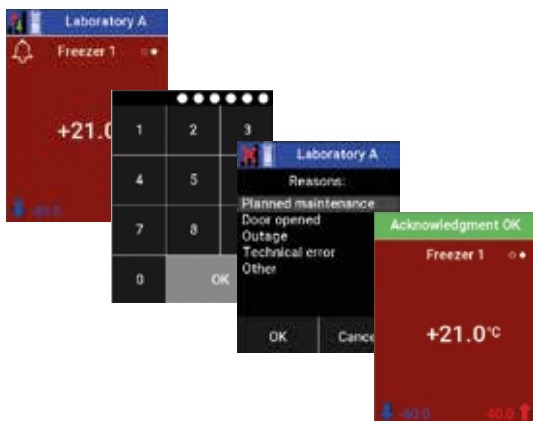
Cobalt X Generation

New-Generation Environment Monitoring System



Cobalt X1, X2 dataloggers featuring network/ cloud connectivity to LoRaWAN™ wireless communication and up to four wired or wireless smart sensors channels for monitoring temperature, humidity, CO2 levels and etc.

- Interactive touch screen display with alert acknowledgment directly on the module
- Real time audio – visual alarms on module
- Long lasting performance with low power consumption.
- Data & system management with OCEAView web application



Key Features

- LoRaWAN Wireless Technology: Very strong indoor coverage, with longest signal strength ranging in kilometers.
- Range of all digital SMART Sensors with auto recognition and memory to store calibration data.
- Cobalt X1 and X2 modules can be connected to wired external smart sensors as well as Emerald, Atlas Bluetooth modules.
- 2.4" glove-compatible touch screen for each set up, latest readings, alarm acknowledgment with PIN code.
- Alarms indication by flashing lights and buzzer at site possible.
- Alarms transmitted to OCEAView platform for email, call, SMS alerts.

LoRaWAN™ enabled receiver

This receiver connects to your local network via an Ethernet or Wi-Fi connection, or to a cellular data network with the optional cellular data option to push sensor data to the Cloud.

- Exceptionally long-range wireless connectivity enables a single receiver to cover large areas
- Relays sensor data and other information to the OCEACloud platform for use with monitoring web applications
- Support for up to 1,000 data loggers*

Key Features

- Collects data from Cobalt X1/X2, ML3, and Cobalt L3 wireless data loggers
- Low energy technology preserves battery life in data loggers

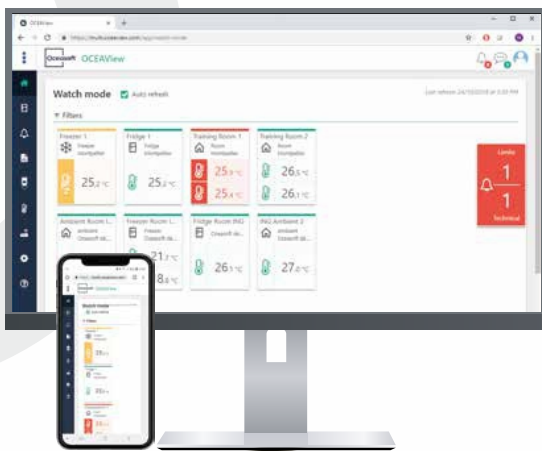
Connectivity

- Ethernet / Wi-Fi or optional 3G/4G cellular data
- Long wireless range with Range in KMs , using LoRaWAN™ communication protocol
- Two-way wireless communication alerts.



OCEAView Web for Cobalt X-series

OCEAView for Cobalt X-series data loggers is a complete web-based platform with all the configuration and monitoring functions you need for your Cobalt X-series equipment monitoring system.



Key Features

- Centralizes sensor readings, alarms, and other information sent by Cobalt X-series modules
- Live dashboard lets you see system health and latest readings, with complete details, graphs, and audit trail
- Management of entire solution e.g. data logging settings, alerts, equipment, configuration, users, reports, and more
- Integrated with secure OCEACloud online platform, or installed on-premises on MS Windows web server at your own site

- › Developed in accordance with 21 CFR Part 11, GxP, HACCP & FSMA guidelines
- › Audit trail, user-level security compliant with FDA 21 CFR Part 11
- › Available as Cloud-based solution or on-premises solution (Fog) for MS Windows server

- › Auditable and customizable reports
- › Interface with third-party systems via API
- › Data logging with a focus on the equipment being monitored

