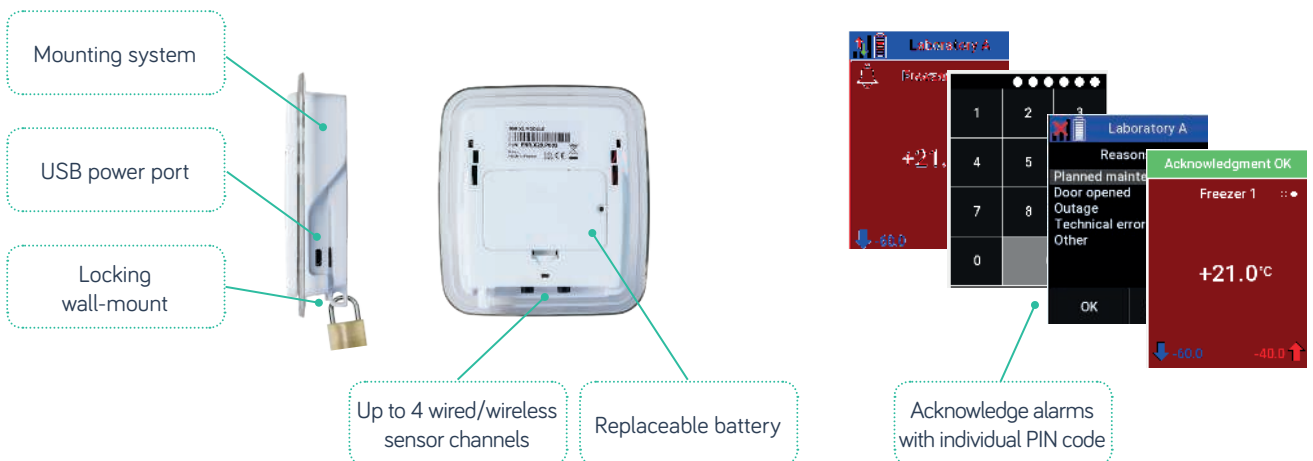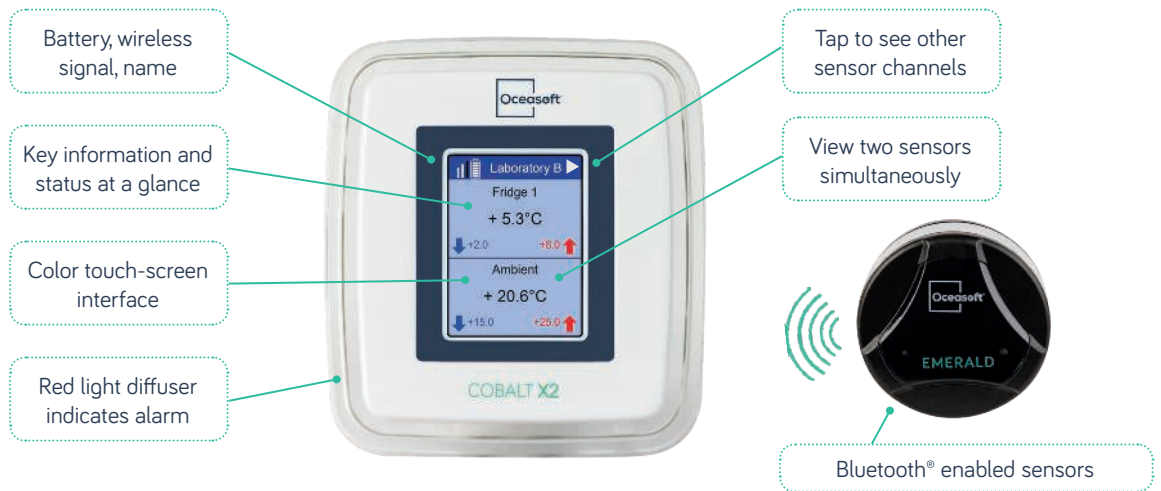# OCEASOFT™

Cobalt X2

Multi-sensor wireless monitoring solution for your lab equipment and storage facilities

MAKING YOUR MONITORING EASIER EVERY DAY

Don't take any chances with your storage conditions. Cobalt X2 monitors up to four pieces of equipment with a variety of wired or wireless sensors, giving you key data about your equipment and facilities. Benefit from easy installation with LoRaWAN™ wireless connectivity[1], data synchronization with the OCEAView Cloud platform and web application, and voice, e-mail, and SMS/text notification in case of alarms.

- Up to 4 wired or wireless sensor channels to monitor your equipment
- Long-range LoRaWAN™ wireless technology
- Color touch screen
- Simultaneous data logging for several environmental parameters
- Compliant with industry directives

Battery, wireless signal, name

Key information and status at a glance

Color touch-screen interface

Red light diffuser indicates alarm

Tap to see other sensor channels

View two sensors simultaneously

Bluetooth® enabled sensors

Mounting system

USB power port

Locking wall-mount

Up to 4 wired/wireless sensor channels

Replaceable battery

Acknowledge alarms with individual PIN code

COBALT X2 TECHNICAL FEATURES

Connectivity	LoRaWAN™ long-range wireless technology (range up to 16 km/10 miles line-of-sight[2]) • Bluetooth® Smart 5.0
Display	2.4" color touch-screen (usable with gloves) • Alarm status • Latest readings • Battery level • Wireless signal • Alarm acknowledgment (individual PIN code) • Setup
Power supply	Battery or micro-USB port (5V) • Auto-switch to backup battery, alert in case of power failure
Battery	Replaceable battery (no tools required) • Li-SOCl2 with up to 2 years battery life depending on usage
Sensors[3]	Up to 4 wired or wireless sensor channels • Automatic configuration/reconfiguration • Temperature • Relative humidity • CO_2 • 4-20 mA • 0-5 V • 0-10 V • Dry contact input • Compatible with all OCEASOFT Bluetooth®-enabled wireless modules
Calibration	ISO/IEC 17025 (COFRAC) accredited laboratory • OCEASOFT certified • NIST traceable • Recalibration via sensor exchange
Memory capacity	16, 000 readings (4,000 readings per channel = 4 weeks of data with reading interval of 10 minutes)
Alarms & alerts	3 high & 3 low limits (with delay) • Visual alert indicator • Buzzer[4] • Alerts via OCEAView and OCEAlert
Storage conditions	-10°C to +60°C
Operating conditions	0°C to +50°C • 0 to 90% RH (non-condensing)
Mounting & installation	Wall-mount kit for use with screws, magnet, or Velcro® • Optional locking with padlock
Casing	IP30 • ABS plastic • Dimensions: 100.8 x 110.8 x 29.6 mm (4.0 x 4.4 x 1.1 in.) • Weight w/battery: 180 g (6.4 oz.)
Applications	Ambient temperature • Refrigerators • Freezers • Deep freezers (-80°C) • Nitrogen tanks • Water baths • Ovens • CO_2 incubators • Autoclaves • Clean rooms
Certifications	CE, FCC, IC

Supported sensors[5]	Resolution	Expanded measurement uncertainty [6] (K = 2)
Digital temperature (-40°C to +120°C)	0.0625°C	0.06°C to 0.25°C
Pt100 Smart-Sensor (-200°C to +200°C)	0.03°C	0.08°C to 0.3°C
%CO_2 (0 to 9.99%)	0.1%	0.3%
Relative humidity (0 to 99.9%)	0.04%	± 4%
4-20 mA, 0-5 V, 0-10 V	0.01 mA or V	n/a[7]

[2] Based on environmental conditions and antenna orientation. Requires private or public LoRaWAN network coverage.
[3] Sensors sold separately.
[4] Audio alert with USB power supply only.
[5] Non-exhaustive list. Please contact us for more information regarding available sensors.
[6] Generally observed
[7] Depends on connected sensor.

cofrac
ETALONNAGE
ACCREDITATION
COFRAC
N° 2-1987
COVERAGE
AVAILABLE ON
www.cofrac.fr

COBALT X2 SOLUTION OVERVIEW

OCEACloud

Customer server

OCEAView responsive web application

Oceasoft™

TempLab
Instruments de laboratoire
www.templab.eu

MKT-DOC-088-EN-V02

DATASHEET