



Emerald

Bluetooth[®]-enabled data logger for mobile temperature monitoring and more*

TRACKING THE COLD CHAIN & MORE ON-THE-GO

The new generation of OCEASOFT's Emerald Bluetooth[®]-enabled data logger was designed to match the new trends and challenges of the temperature-controlled supply chain. From storage to delivery, Emerald monitors the temperature and other parameters* of sensitive and perishable products, tracking data at every step. Thanks to its compact size, Emerald fits neatly into nearly any type of container, packaging, or enclosure.

The Emerald data logger can monitor a wide range of temperatures, along with other parameters*. Equipped with an internal sensor or an external Pt100**, Emerald adapts to your environment. A colored ring on each module enables easy identification and calibration.

The OCEAVIEW mobile application for smartphones and tablets enables you to set up custom missions in just a few taps, and choose from several startup modes to start data logging at the right time.

Bluetooth[®] wireless technology makes it easy to retrieve data using a mobile device without having to open packaging, thus reducing risks of temperature excursions and human error. Emerald stores up to 16,000 readings in internal memory, or you can benefit from unlimited storage on the OCEASOFT Cloud platform. Data stored on the Cloud can be accessed 24/7 via a web application on your computer, smartphone, or tablet. Alerts are sent by e-mail to enable fast response if problems are detected.

Use the OCEABridge automation tool, also Bluetooth[®] enabled, to automatically retrieve Emerald data and optimize your processes.

- Simple to set up and use
- Easy access to data
- Compliant with EN NF 12830, developed according to FDA 21 CFR Part 11 requirements
- Robust construction and performance



GENERAL FEATURES

Connectivity

- › Bluetooth® 4.2 technology: range up to 50 m (160 ft.). Bluetooth® 5.0 Ready

Sensors

- › Temperature ranges:
Internal sensor: -40°C to +85°C / -40°F to +185°F (resolution: 0.0625)
External Pt100 sensor**: -200°C to +200°C / -328°F to +392°F (resolution: 0.03125°C)
- › Other parameters (optional)*: shock (16G), tipping, pressure, light
- › Sensor calibration by the OCEASOFT laboratory: ISO/IEC 17025 (COFRAC) accredited, OCEASOFT certified, or NIST-traceable

Data management

- › Internal memory: up to 16,000 readings / OCEACloud storage: unlimited
- › OCEAView web and mobile applications
- › Automated data collection with OCEABridge
- › Reports generated in CSV and PDF formats
- › Geolocation via smartphone GPS

Alarm and alert management

- › Real-time view of alarms on the module and OCEAView mobile application

- › Alerts sent by e-mail automatically when alarms detected by Cloud platform

Flexibility

- › Emerald can also be used in conjunction with Cobalt XM sensors*
- › Over-the-Air (OTA) firmware update

SPECIFICATIONS

Module dimensions

- › Diameter: 50 mm (2 in.)
- › Thickness: 20 mm (0.8 in.)
- › Weight: 48 g (1.7 oz)

Casing details

- › Casing: ABS, polycarbonate, aluminium
- › Interchangeable color ring***
- › Protection index: IP43

Operating conditions

- › Internal sensor: -40°C to +85°C / -40°F to +185°F
- › External Pt100 sensor: 0°C to +50°C / +32°F to +122°F

Mounting and installation

- › Magnetic holding system with optional fixed mounting

BATTERY

- › Type:
Internal sensor: 1/2 R6 - 1/2 AA
External Pt100 sensor: LS 14-250
- › IEC designation: 60086-4 safety standard
- › Estimated battery life: 1 year****
- › User-replaceable

COMPLIANCE & CERTIFICATIONS

Compliance

- › EN NF 12830

Bluetooth®

- › QD ID 81876

Europe CE

- › EN 60950-1: 2011-01 3.1
- › EN 301 489-17 V2.2.1 3.1
- › EN 300 328 V1.8.1 3.2

Japan

- › MIC ID: 210-106799

New Zealand

Australia

North America

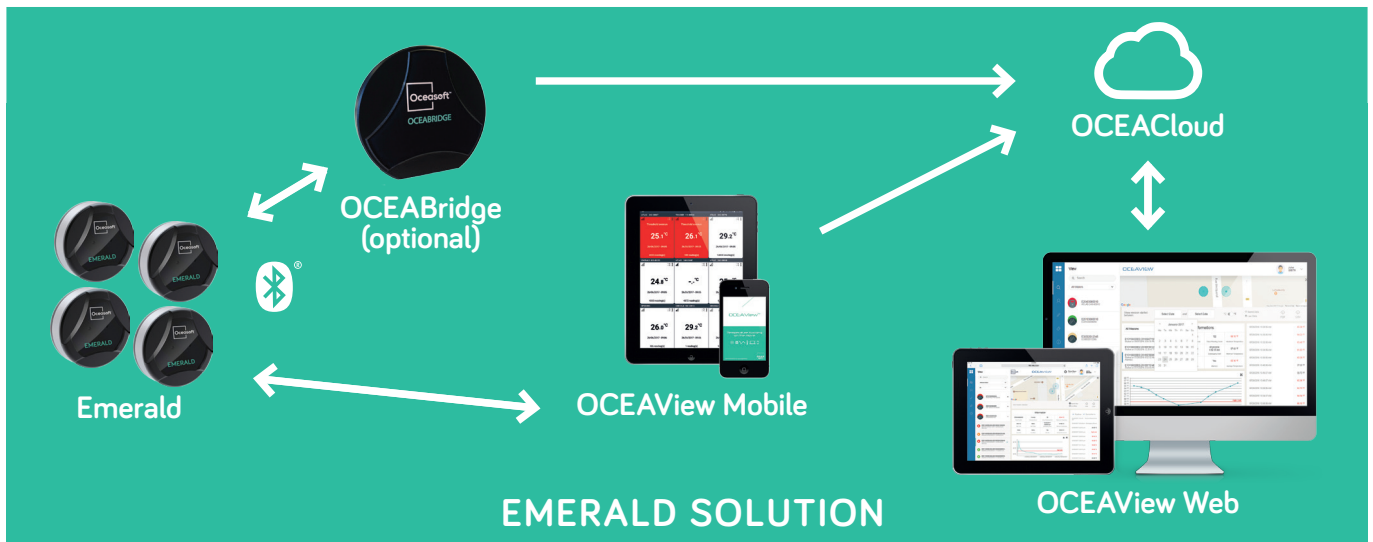
- › FCC ID: 2AA9B04
- › IC ID: 12208A-04

* Coming soon via OTA upgrade

** The target temperature range depends on the sensor used - Pt100 sensor available with the Emerald first generation and coming soon with the new generation

***Except for the Pt100 version

**** Depending on use



OCEASOFT S.A.
720 Rue Louis Lépine
34000 Montpellier - FRANCE
Tel: +33 (0) 4 99 13 67 30
Fax: +33 (0)4 67 42 84 13

OCEASOFT Inc.
250 Phillips Blvd. - Suite 290
Ewing, NJ 08618 - USA
Tel: 1-609-589-1668
Fax: 1-609-589-1669

www.oceasoft.com

contact@oceasoft.com



© 2017 OCEASOFT S.A.
All rights reserved. Emerald, OCEAView and OCEACloud are commercial brands of OCEASOFT®. All other brands and trademarks mentioned in this document are the exclusive property of their respective owners. Specifications are subject to change without notice.