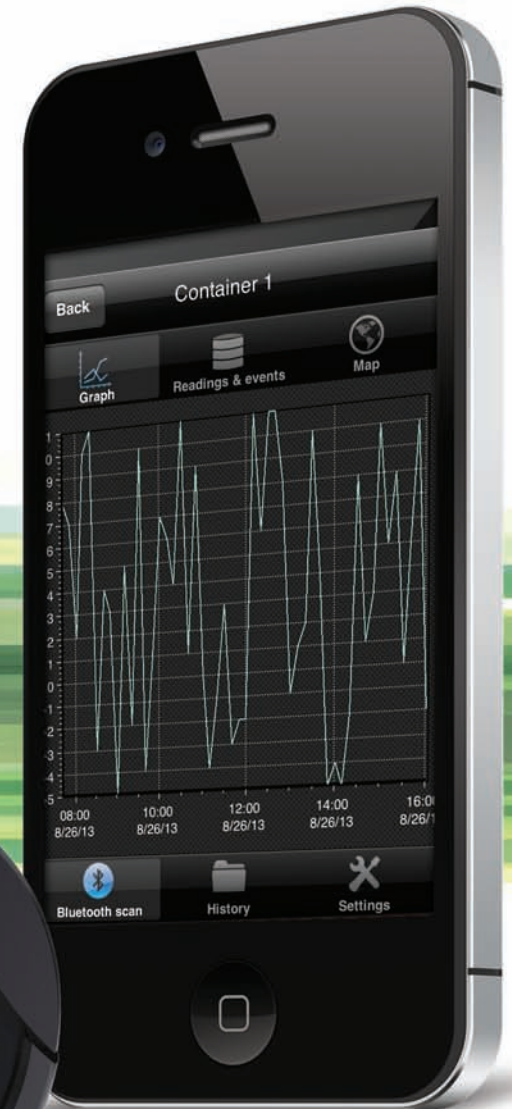# Emerald
The Art of Monitoring Temperature

Track temperature wirelessly from your smartphone

Monitor storage facilities, cooling equipment, and packages in transit around the world

Share information via the Cloud

Enjoy complete control with OCEASOFT's free smartphone app

Emerald
Temperature tracking with your smartphone

The easiest temperature monitoring solution you'll ever use

Emerald makes temperature monitoring easy. So easy that all you need is a smartphone to check stored temperature readings wirelessly. No dedicated equipment, docking stations, or complex computer installations required.

Whether you need to respect the cold chain during product shipments internationally, or keep an eye on your storage facilities and equipment locally, Emerald makes your job easier than ever.

Check temperature wirelessly using your smartphone

Emerald brings advanced temperature tracking right to your smartphone with a simple Bluetooth wireless connection. Its small size and optional magnetic mount make it easy to place in nearly all types of containers and enclosures. Emerald's wireless technology is robust enough to pass through walls, crates, and packing so you can connect to it without having to open anything.

Simply place Emerald in the space you want to monitor and then use OCEASOFT's free smartphone app to tell it when you want to record temperature and to set the acceptable temperature range. Emerald records ambient temperature and gives you fast access to the information wirelessly from your smartphone .

Monitor temperature over the complete shipping cycle

Of course, Emerald is great for tracking temperature at a single location, such as a caterer's cold room or fresh produce storage area. It's also designed with mobility and the Cloud in mind.

To track temperature in a container during shipment, use the free app to check Emerald at different points along the route. At each reading, the data – complete with geolocation information from your phone – can be uploaded to the Cloud and accessed from anywhere in the world.

1

Place Emerald inside the desired container for temperature monitoring.

2

Use your smartphone to start Emerald now or at a later time. You may also set your high and low temperature range limits, and any readings outside that range will display an alarm on the device and in the software.

3

Emerald devices

Container 1
2500 readings - No alarms

Bio. samples
2530 readings - Alarm(s) detected

Cargo space
Not started

Check temperature readings recorded by Emerald using your smartphone, either at a stationary location or during shipping.
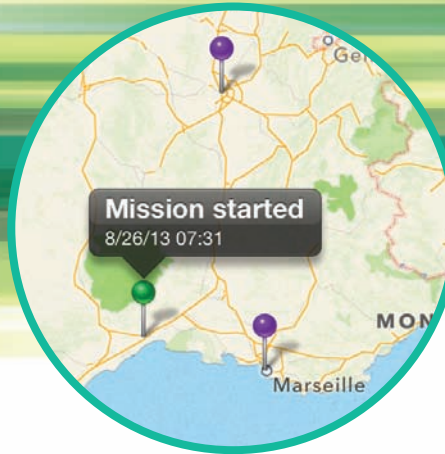
Emerald How it works

4

Whenever you read Emerald with your smartphone, you can upload the data to the Cloud so other people can access it.

5

Mission started
8/26/13 07:31

MON
Marseille
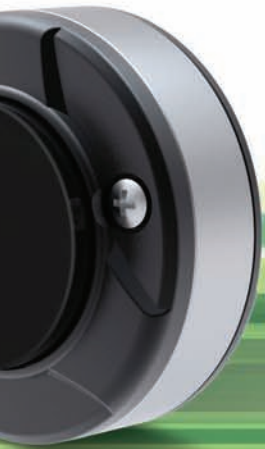
View route details on a full-color map.

Repeat this procedure many times thanks to Emerald's long battery life! You can even personalize your Emerald with different colored rings for easy identification.

Overview of the Emerald wireless temperature monitor

- Temperature datalogger with internal sensor, memory for up to 4,000 readings

- Temperature range: -30°C to + 60°C or -40°C to +85°C (optional external sensor covering -200°C to +200°C)

- Temperature read along surface of metal ring for optimal response

- Reading uncertainty: +/- 0.2°C after calibration

- Resolution: 0.01°C

- Wireless connectivity with Bluetooth 4.0

- Wireless range (line-of-sight): 50 meters

- Wireless access through isothermal packing, refrigerated vehicle siding, freezers, refrigerators, and cold rooms

- Bluetooth certification: CE, FCC, Industry Canada, South Korea, Japan

- Read and program with iPhone 4S or 5, iPad 3 or 4

- Free app download on Apple AppStore (flash QR code on module back to access download link)

Emerald

- Red/green status indicators; blue Bluetooth communication signal

- Powered by user-replaceable CR 2450 Lithium battery

- Estimated battery life: one year on average

- Magnetic mount

- Interchangeable colored aluminum rings to personalize product for easy identification (includes additional green ring)

- Product protection index: IP67

- Casing: ABS, polycarbonate, aluminum

- Guaranteed 1 year (return to manufacturer)

- EN12830 certification in progress

- Diameter: 2 in. (50 mm) - thickness: 0.8 in. (20 mm) - weight: 60 grams

- Automatic discovery of Emerald modules within wireless range

- Wireless signal and battery strength indicators

- Immediate or delayed start

- Programmable start at specific time or when the temperature drops below a specific value

- Programmable read interval from 15 seconds to 1 minute (one-second steps) or 1 to 255 minutes (1 minute steps)

- 2 recording modes: cyclical or stop when memory full

- Programmable high and low range values (with delay)

- Customizable module name: 15 characters

- Uses phone geolocation features: stores GPS coordinates and generates color map with programming information, readings, and stop

- Readings stored on phone and OCEACloud (optional)

- Report generated in PDF format

- Readings shown with local time and GMT time

- Values in °C and °F

Brought to you by OCEASOFT

OCEASOFT is a recognized leader in monitoring temperature and other environmental parameters, such as CO_2, humidity, differential pressure, and more. Working with prestigious laboratories and distribution specialists around the world for the past decade, OCEASOFT now leverages its expertise to bring you Emerald, an innovative evolution of the successful Cobalt wireless monitoring system.

Find out more about how OCEASOFT Emerald can help protect your temperature sensitive products and cold-chain deliveries:

www.oceasoft.com