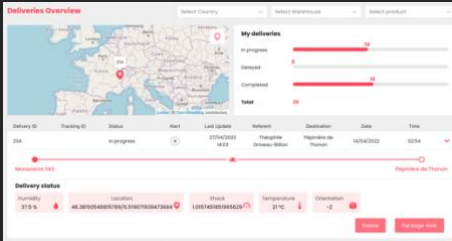# Monoceros

The only smart real-time monitoring solution

With Monoceros you know everything about your products,

in real-time, wherever it is, whoever is in charge.

Where is my package?

Delivery overview with all relevant data and statistics

What is my package going through?

Historical and real-time package-level data.

Is a problem impacting my package?

Real-time alerts to guarantee your products quality standards

Monoceros SmartM is designed to be simple to use, requiring no human inputs to work for years on the field.

Quality

To guarantee the quality of your product you must measure it all and detect deviations in real-time.

- Temperature
- Humidity
- Light
- Accelerations

Integrity

To guarantee the integrity of your products you must track their geolocation in real-time, everywhere.

- Geolocation
- Worldwide Connection
- Multi-year battery
- Package-opening

Simplicity

To gain insights on your processes, you need precise and reliable data, without any human inputs.

- Package-level view
- Real-time alerts
- Plug & play
- Automatic reports

SENSING-AS-A-SERVICE: THE TURN-KEY SOLUTION
Monthly subscription, all inclusive

Monoceros

Sensor Specifications

Dimensions L x W x H	73x66x[40, 20]mm
Weight	120g with the small battery
Casing	ASA
Protection Class	IP 65
Measured Parameters	Temperature, Humidity, Light, Accelerometer, GPS
Battery Type	Li-Socl2 (changeable)
Communication Interfaces	GSM / GPRS quad-band (worldwide)
User Interfaces	2 LEDs
Repeatable Use	10 years (depending on battery)
Geo-Location	GPS & GSM
Marking	CE
Compliance	RoHS, IATA DO160-G with Airplane mode, EN61010, EN12830
UN number / Packing Instruction	UN 3091 / PI 970

Operating Conditions

Real-life Battery Autonomy	Small battery 7,7Ah (IATA compliant) – 1 year Medium battery – [1, 2] years Large Battery – +5 years
Temperature Range	[-40, +80] °C
Temperature Precision	±0.5°C
Temperature Long-term Stability	< ±0.05°C for five years
Humidity Range	[0, 100] %RH
Humidity Precision	±2.0 %RH
Humidity Long-term Stability	< ±1.2 %RH for five years
Accelerometer Range	±16g
Light Sensor Spectral Bandwidth	[440, 620] nm
Geo-location Precision	GPS: <20m range, GSM: >500m

Additional features

External System Plug-In	REST API, Open-source plugins on demand
Access	API, Webapp, Mobileapp
Support	Onboarding training, continuous support
Alert Setting	Conditions limits, Delays, Geo-fencing, Theft
Alert Notifications	Webapp, email, API
Report	.CSV, .xlsx, .html, .pdf

Want to see it in action?
Get in touch