

STORAGE MONITORING - RATIOMETRIC



INFORMATION

This sensor monitors the level of liquid storage via a Rochester probe. It enables you to avoid stock-outs and anticipate replenishment.

The sensor takes 4 daily readings and stores one measurement per hour, which it transmits during the daily readings.

The information can be viewed directly on the DESK & SENS platform and level alerts can be configured.



TECHNICAL DESCRIPTION OF THE SENSOR

Model	Value
Power supply	3.6V, 7Ah Lithium-thionyl chloride[Li-SOCl ₂] Fat A-size Spiral cell
Battery life	10 years (May vary depending on the number of readings per day)
Network	LTE CAT-M1
Operating temperature	Between -20°C and 55°C
Frequency of readings	from 1 to 240 per day (affects battery life)
Liquide	Fuel oil, CNG, gas oil, B100

Model	Value
Dimensions	Height: 75 mm Diameter: 100 mm
CONDITIONS OF USE	Between -20°C and 55°C Between 0 and 95% humidity
Protection class	Orbis Ratio only: IP67 Orbis Ratio 1 input: IP67 Orbis Ratio 2 inputs (Y cable): IP65
Compliance	CE
Measure	Ratiometric (15-bit ADC)
Activation	Operating button and status LED

USE CASES

- Remote level monitoring: Track liquid levels (propane, fuel, gas, lubricants, etc.) in fixed or mobile tanks for better monitoring.
- Configurable level alerts: Set custom alerts based on the monitoring system (consumption or fill monitoring), with notifications sent by SMS, email or both, to ensure timely awareness.
- Full history tracking: Access detailed historical data, allowing you to review activity over the month, week, day or a customised period to improve analysis and decision-making.

BENEFITS OF THE SENSOR

- Remote monitoring: Use a professional interface for simple remote monitoring of equipped sites.
- Proactive replenishment: Identify low tank levels and implement a rapid replenishment system to ensure uninterrupted supply.
- Full traceability: Access full traceability and a history of requests and actions at each site, to improve operational transparency.
- Advanced alert system: Benefit from an integrated alert system, including email, SMS and push notifications, to quickly inform technicians and site managers, to avoid stock-outs.

