

## NOVA US - STORAGE MONITORING / ULTRASOUND

### INFORMATION

This sensor is a tank level monitoring device. It prevents you from running out of water, avoids overflows, forecasts your consumption and alerts you before you run out of water.

The sensor can take up to 4 readings a day.

The information can be viewed directly on the DESK & SENS platform and alerts can be set up.



### TECHNICAL DESCRIPTION OF THE SENSOR

| Model                     | Value                                                             |
|---------------------------|-------------------------------------------------------------------|
| Power supply              | Dual Li-SOCI2 3.6 V (7000 mAh) battery - non-refillable           |
| Battery life              | Between 6 and 10 years (depending on the frequency of broadcasts) |
| Network                   | LTE Cat M1                                                        |
| Operating temperature     | -20°C to 60°C                                                     |
| Frequency of readings     | 1 to 4 daily readings                                             |
| Technology of measurement | Ultrasonic measurement                                            |
| SIM Card                  | Nano SIM                                                          |

| Model            | Value                                                                 |
|------------------|-----------------------------------------------------------------------|
| Height           | 100 mm                                                                |
| Diameter         | 77 mm                                                                 |
| Mounting         | screws 1,25", 1,5" ou 2"                                              |
| Weight           | 250 g with batteries                                                  |
| Protection class | IP 68                                                                 |
| Accuracy         | ±2% of full scale reading                                             |
| Protocol         | <ul style="list-style-type: none"> <li>MQTT</li> <li>MQTTS</li> </ul> |
| Scope of sensor  | Ultrasound: 20 cm to 3 m                                              |
| Resolution       | 1mm                                                                   |

## USE CASES

Remote monitoring of levels in various containers (e.g. tanks / reservoirs / mobile installations)

Configurable level alerts depending on the monitoring system (consumption or fill monitoring) received by SMS or e-mail (or both)

A history enables you to trace the evolution of the level of your containers over the last month/week/day (or customised date).

## ADVANTAGES OF THE SENSOR

**Quick and easy installation** by the customer using the instructions and accessories supplied.

**Battery life: Up to 10 years.** Battery life may vary depending on the number of preset readings on the gauge.

**Easily configured to fit all tank shapes.**

**Online monitoring of gauge data:** On the DESK professional service platform, on the SENS user platform + mobile application. Data redirection to the chosen server via API.



## INFORMATIONS COMMERCIALES

| Désignation commerciale             | Nom du produit | Code article     |
|-------------------------------------|----------------|------------------|
| Jauge de niveau ultrasons LTEM NOVA | NOVA US        | ORBIS_0108A_V1R8 |