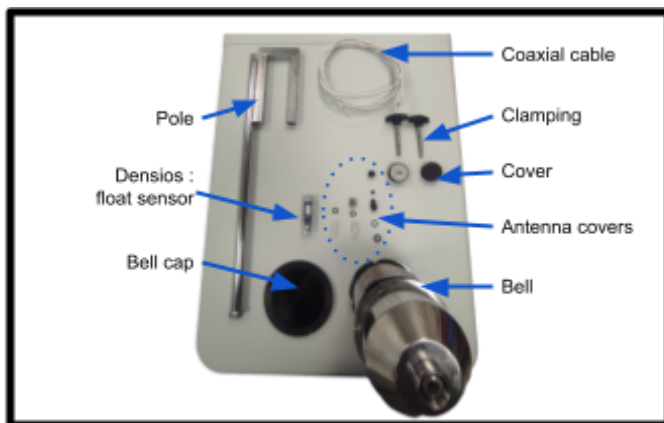


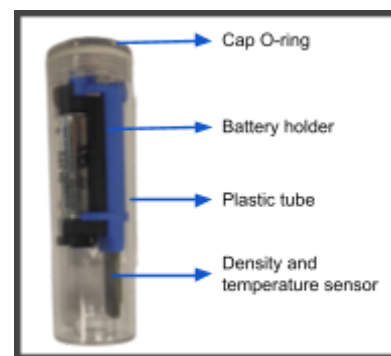
## Densios composition

The Densios consists of a float in the form of a hollow cylinder, housing two battery-operated gravity and temperature sensors.

The cylinder is made of biocompatible plastic (Makrolon 2458), meeting the stringent requirements of ISO 10993-1 tests, while the bell section is made of stainless steel.



*Densios parts with bell*



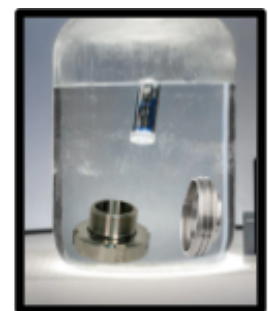
*Densios parts*

## Densios cleaning

### Disinfection

Densios should be disinfected before use. For the sensor, the disinfectant and the associated quantities may be the same as those normally used to disinfect small equipment.

**/!\ Do not soak Densios for more than one hour in acid, as this may cause cracks in the polycarbonate. Do not use corrosive products. Do not exceed a temperature of 80°C.**



*Densios soaked in disinfectant*

### Recommended products for disinfecting Densios :

- 70%-90% alcohol
- Anionic acid: StarSan, Chemipro SAN, Chemipro CIP

To disinfect the stainless steel part, disassemble the Densios, taking care to remove the float sensor, the antenna covers and the coaxial cable. **Take care not to lose the silicone seals during disassembly !**. Then use the disinfectant solutions normally used to disinfect your lines. Once removed from the solution, rinse and reassemble the Densios. You can also leave the Densios in its entirety in your fermenter and integrate it into your CIP (Cleaning In Place) process, taking care to use products that are **not corrosive** to food-grade plastic, not to leave the Densios in a product for **more than one hour**, and **not to exceed a temperature of 80°C**.

### Cleaning

After use, Densios can be cleaned with hot water (max 80°C) and washing-up liquid or a mild cleaner (e.g. One Step oxygen-based).

**Do not scrape or use abrasive or corrosive products on the plastic, as this may cause hairline cracks in the polycarbonate. Do not leave Densios in solution for more than one hour. Do not exceed a temperature of 80°C**



*Cleaning with soap and sponge  
(smooth side, not rough side)*

### Non-exhaustive list of products recommended for cleaning Densios :

- Dishwashing liquid
- Active oxygen: OneStep
- Sodium silicate: Chemipro Wash

To clean the stainless steel part, disassemble the Densios, taking care to remove the float sensor, antenna covers and coaxial cable. **Take care not to lose the silicone seals during disassembly !** Rinse the stainless steel part thoroughly to remove any large residues, then clean it with your usual cleaning products or with a 10% sodium hydroxide solution for up to one hour, to remove any remaining dirt. Once removed from the soda solution, rinse and reassemble the Densios. You can also leave the entire Densios in your fermenter and integrate it into your CIP (Cleaning In Place), taking care to use products that are **non-corrosive** to food-grade plastic, not to leave the Densios in any product for **more than an hour**, and **not to exceed a temperature of 80°C**.

### Storage

Once out of the liquid, the Densios automatically switches to standby mode to save battery power. Lay it on its side and it will switch off automatically. It must be clean and dry before being stored in a room at room temperature.



*Storage of clean, dry  
Densios*

## DENSIOS MAINTENANCE REVIEW

<p><b>1</b> Disinfecting Densios with alcohol</p> 	<p><b>2</b> Put Densios in your fermenting tank</p> 	<p><b>3</b> Clean with soap and dry before storing.</p> 
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