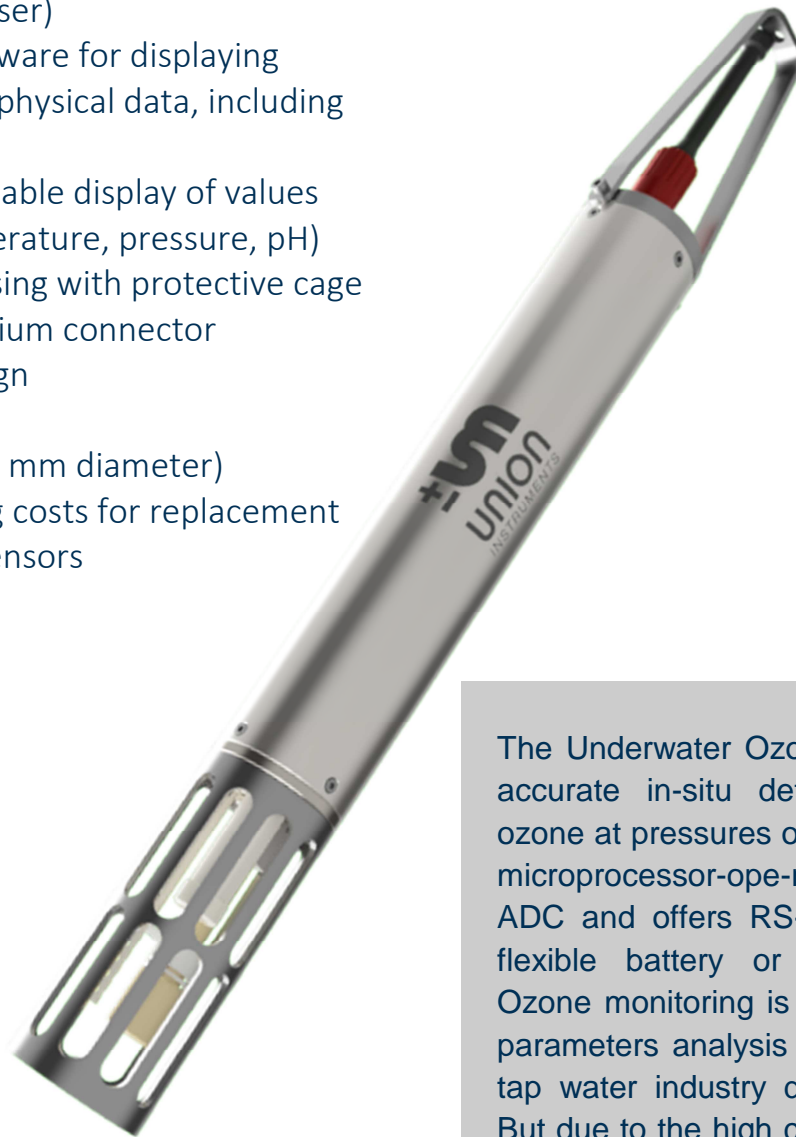


# Underwater Ozone Probe System

Direct reading probe or memory probe system

- Sensors for ozone (amperometric micro-sensor), temperature, pH, and pressure
- Very easy sensor replacement (can be done by the user)
- Windows software for displaying chemical and physical data, including charts
- Fully customizable display of values (ozone, temperature, pressure, pH)
- Titanium housing with protective cage
- Subconn titanium connector
- Compact design
- Low weight
- light cable (6 mm diameter)
- Low operating costs for replacement of chemical sensors



The Underwater Ozone Probe System delivers accurate in-situ determinations of dissolved ozone at pressures of up to 10 bar. It features a microprocessor-operated 16-bit multi-channel ADC and offers RS-232, RS-485 output, with flexible battery or external power options. Ozone monitoring is one of the most important parameters analysis of industrial waters and in tap water industry during cleaning processes. But due to the high chemical reactivity of ozone this is very difficult. This probe overcomes these challenges, providing reliable, accurate data without sampling losses and with high local resolution. For different applications the measuring ranges can be selected..

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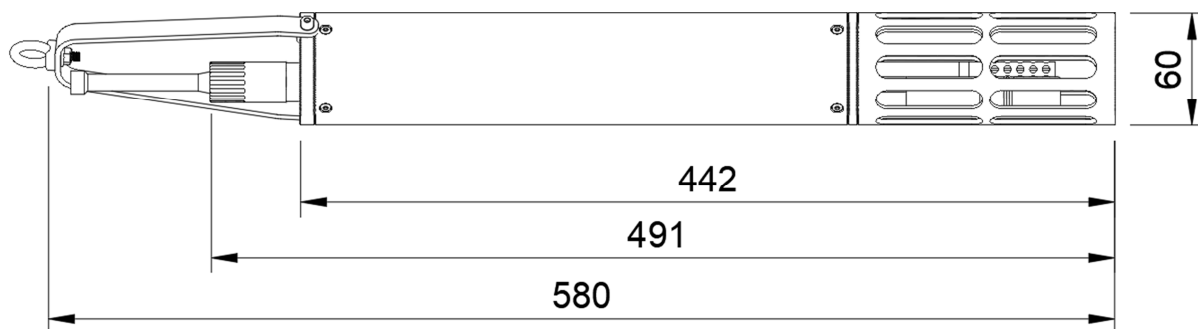


sensor	principle	range	accuracy	resolution	response time
pressure	Piezoelectric resistance bridge	10 bar	± 0.1 % FS	0.002 % FS.	150 ms
temperature	Pt 100	- 2 ... + 40 °C	± 0.05 °C	0.0006 °C	150 ms
pH	Single-rod measuring cell	0 ... 14 pH	± 0.02 pH	0.0002 pH	1 s
Ozone	Amperometric micro-sensor	0.02...10 mg/l 0.05...20 mg/l others on request	2% of Measurement	10 µg/l 20 µg/l	< 2s

### Technical Data

Dimensions: Ø 60 mm, Length: approx. 490 mm (See image below)  
 Weight (air-filled): approx. 2,5 kg  
 Material: Titanium  
 Connector: Subconn MCBH8M  
 Voltage Supply: 12 V DC other on Request  
 Current Consumption: approx.: 40mA with Online Probe version  
 Data Transmission: RS232, optional RS485

Memory model:  
 Internal Power Supply: rechargeable LiFePO4 battery (19Wh)  
 Storage Capacity: 4 GB



The specifications provided in the datasheet are subject to change without notice, as the devices are continuously being further developed and improved.