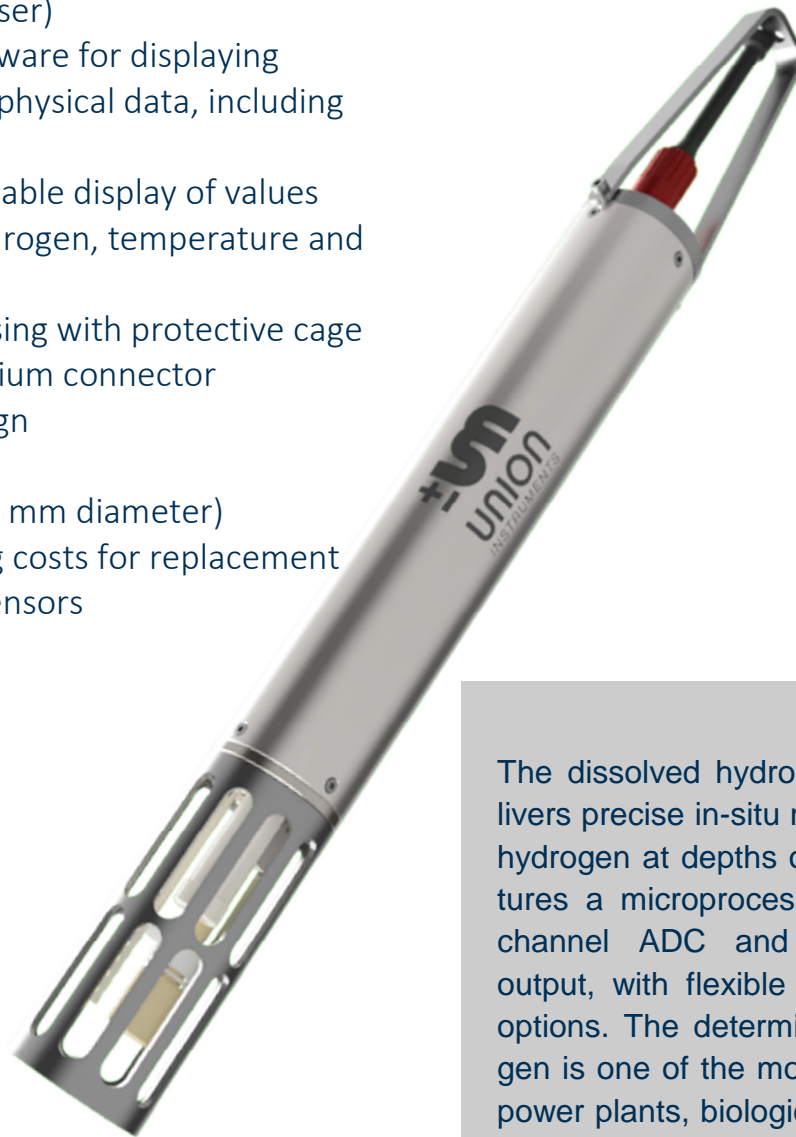


Dissolved Hydrogen Probe System

Direct reading probe or memory probe system

- Sensors for dissolved hydrogen (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 (dissolved hydrogen, temperature and 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 dissolved hydrogen underwater probe delivers precise in-situ measurements of dissolved hydrogen at depths of up to 100 meters. It features a microprocessor-controlled 16-bit multi-channel ADC and offers RS-232, RS-485 output, with flexible battery or external power options. The determination of dissolved hydrogen is one of the most important parameters in power plants, biological waste waters, industrial applications and for scientific work. This probe system overcomes these challenges, providing reliable and accurate data without sampling losses. Please select between the different available measuring ranges.

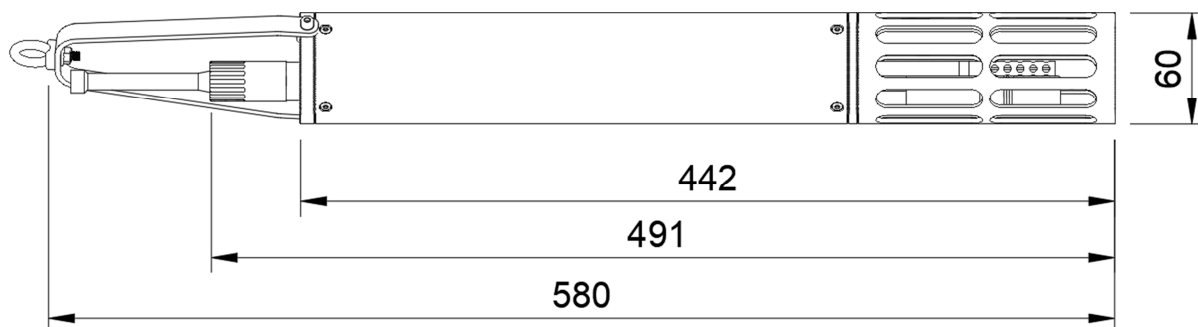


sensor	principle	range	accuracy	resolution	response time
pressure	Piezoelectric resistance bridge	10 bar	± 0.1 % FS	0.002 % FS.	150 ms
temperature	Pt 100	- 2 ... + 40°C	± 0.05 °C	0.0006 °C	150 ms
pH	Single-rod measuring cell	0 ... 14 pH	± 0.02 pH	0.0002 pH	1 s
Hydrogen	Amperometric micro-sensor	0.2 µg/l...0.5 mg/l 2 µg/l...1mg/l 5 µg/l...2 mg/l 10 µg/l...3 mg/l	2% of measurement	0.2 µg/l 0.5 µg/l 1 µg/l 2 µg/l	< 0.5 s

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.

