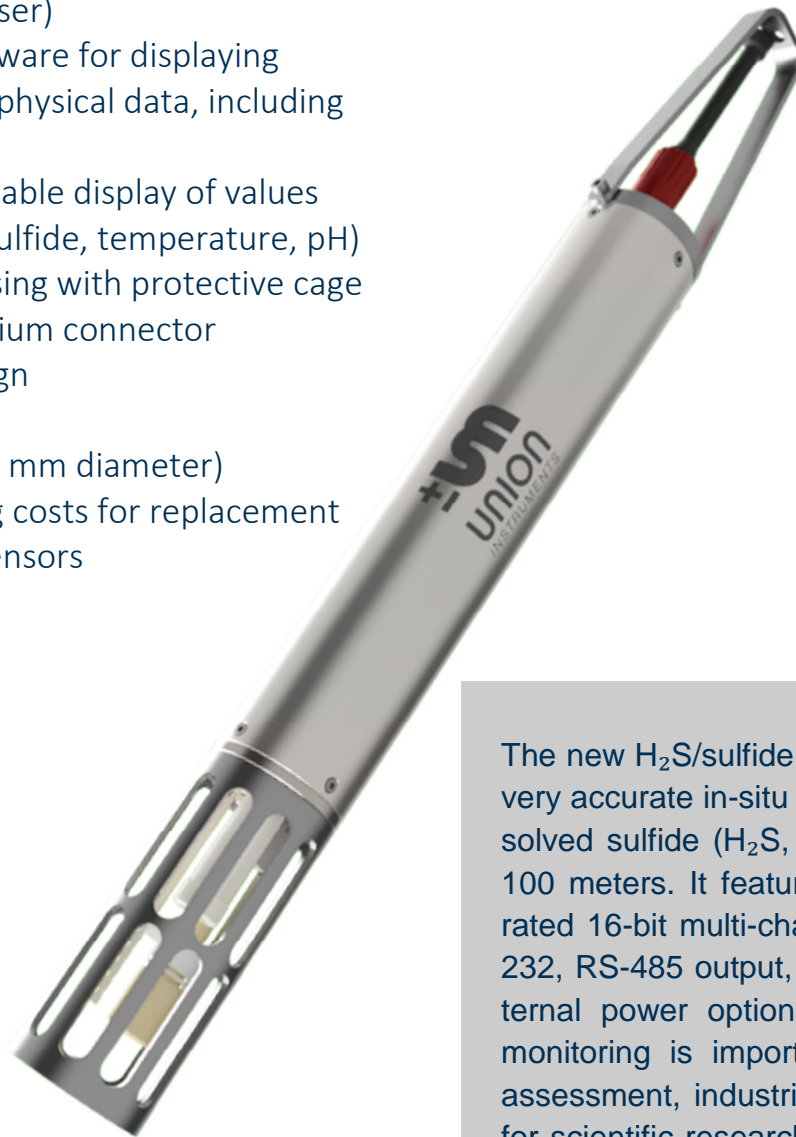


H₂S/Sulfide Underwater Probe System

Direct reading probe or memory probe system

- Sensors for dissolved H₂S (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 (H₂S or total sulfide, temperature, 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 new H₂S/sulfide underwater probe delivers very accurate in-situ measurements of total dissolved sulfide (H₂S, HS⁻, S²⁻) at depths up to 100 meters. It features a microprocessor-operated 16-bit multi-channel ADC and offers RS-232, RS-485 output, with flexible battery or external power options. Total dissolved sulfide monitoring is important for the water quality assessment, industrial waste water safety and for scientific research: But the determination is difficult due to the very high chemical reactivity of the H₂S. This new probe system overcomes these challenges, providing reliable, accurate data without any sampling losses.

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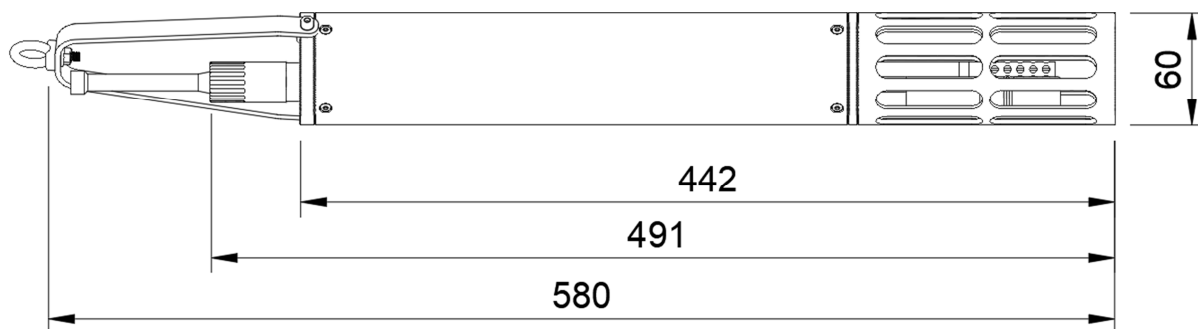


sensor	principle	range	accuracy	resolution	response time
pressure	Piezoelectric resistance bridge	10 bar	± 0.1 % FS	0.002 % FS.	150 ms
temperature	Pt 100	- 2 ... + 40 °C	± 0.05 °C	0.0006 °C	150 ms
pH	Single-rod measuring cell	0 ... 14 pH	± 0.02 pH	0.0002 pH	1 s
H ₂ S	Amperometric Micro-sensor	10µg/l...3mg/l 50µg/l..10mg/l 500µg/l..50mg/l	2% of Measurement	5 µg/l 20 µg/l 100 µg/l	< 1s

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.

