Hydrogen Peroxide Probe System

Direct reading probe or memory probe system

- Sensors for H_2O_2 (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 (H_2O_2, temperature, pressure, pH)
- Titanium housing with protective cage
- Subconn titanium connector
- Compact design
- Low weight
- leight cable (6 mm diameter)
- Low operating costs for replacement of chemical sensors

The Hydrogen Peroxide Underwater Probe System delivers accurate in-situ determinations of dissolved hydrogen peroxide 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. Hydrogen peroxide monitoring is one of the most important parameters for the online control of chemical processes in industry as well as for the oxidation of waste water and disinfection. But due to the high chemical reactivity of H_2O_2 this is difficult. This probe overcomes these challenges, providing reliable, accurate data without sampling losses.

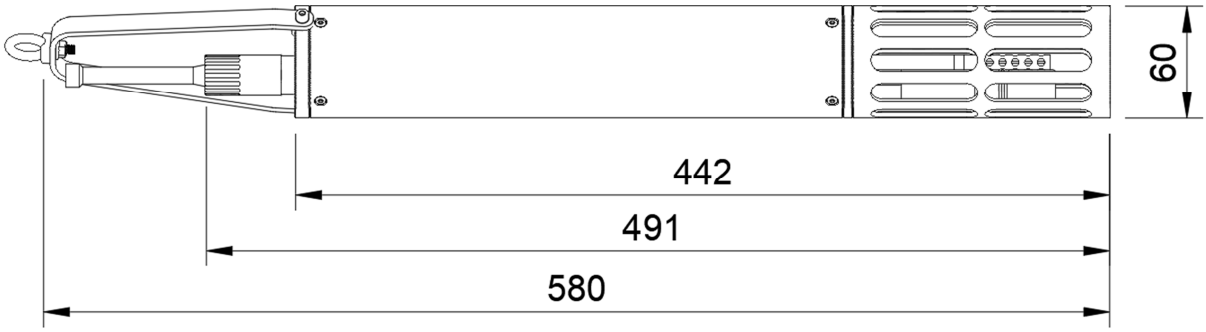
UNION Sensors GmbH
Estlandring 9
23560 Lübeck, Germany
Fon +49 721 680381-0
info@union-sensors.com
www.union-sensors.com

AMT Analysenmeßtechnik GmbH
Joachim-Jungius-Straße 9
18059 Rostock, Germany
Fon +49 381 4059 380
info@amt-gmbh.com
www.amt-gmbh.com

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_2O_2	Amperometric Micro-sensor	0…5% 0…10%	2% of Measurement	0.02% 0.04%	< 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 Reguest
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.

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