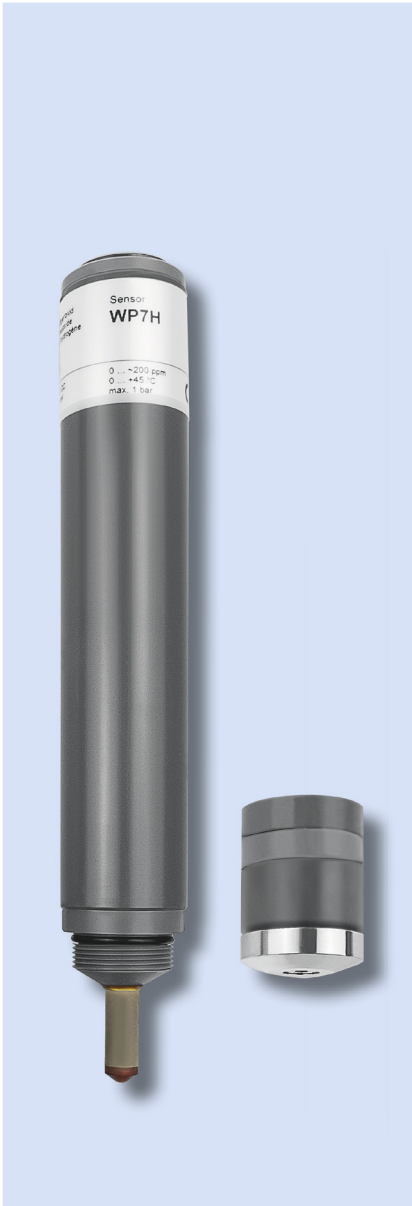


1.1.1.

**DOSASens Hydrogen peroxide sensor WP7**



Sensor for the measurement of hydrogen peroxide, with membrane-covered, amperometric 2-electrode system. Tensides are partially tolerated. The membrane system is mechanically robust.

**Product description:**

- Measurand(s): Hydrogen peroxide
- Calibration:
  - DIN 38409-15 "Determination of hydrogen peroxide"
  - ISO/DIS 7157 "Determination of hydrogen peroxide – titrimetric method"
- Interferences:
  - Cl<sub>2</sub> must not be existent
  - Peroxyacetic acid C<sub>2</sub>H<sub>4</sub>O<sub>3</sub> must not be existent
  - O<sub>3</sub> must not be existent
  - Sulfides must not be existent
  - Phenoles aquaous solution >3 % must not be existent
- pH range: 2–11
- Pressure range:
  - Operation without circlip: 0–0.5 bar, no pressure surges and/or vibrations
  - Operation with circlip: 0–1.0 bar, no pressure surges and/or vibrations
- Temperature range: 0– 45 °C, no ice crystals in the measuring water
- Integrated automatic temperature compensation
- Response time: T<sub>90</sub> approx. 5– 10 min
- Absence of the disinfectant: max. 24 h
- Flow rate: approx. 15–30 l/h, low flow-dependence
- Shaft length: standard 190 mm, and up to 220 mm in length (mA-Version)
- Connection: 5-pin M12 screwed plug (mV-, mA-, Modbus RTU-version), 2-pole terminal (mA-Version)
- Material: PVC-U, stainless steel 1.4571

**Areas of application:**

- All types of water treatment (e. g. CIP plant), including seawater
- Tensides are partially tolerated.

**Scope of supply:**

- **DOSASens WP7** sensor, membrane cap, electrolyte, operating manual

**Ordering data:**

Type:	Measuring range: ppm	Resolution: ppm	Output signal:	Power supply:	Item number:
WP7H-M12	0.5–200	0.1	0 ... -2000 mV 1 kΩ	±5 ... ±15 VDC 10 mA	3626300
WP7N-M12	5–2000	1.0			3626301
WP7H-An-M12	0.5–200	0.1	Modbus RTU	9 ... 30 VDC 20 ... 56 mA	3626310
WP7N-An-M12	5–2000	1.0			3626311
WP7H-M0c	0.5–200	0.1	4 ... 20 mA	12 ... 30 VDC R <sub>L</sub> = 50 ... 900 Ω	3226130
WP7N- M0c	5–2000	1.0			3226131
WP7MA-CC	0.5–200	0.1	4 ... 20 mA	12 ... 30 VDC R <sub>L</sub> = 50 ... 900 Ω	3326081
WP7MA-D	5–500	0.1			3326075
WP7MA-M	0–1000	1.0			3326099
WP7MA-MM	0–2000	1.0			3326074
WP7MA-XM	0.005–10000	10.0			3326072
WP7MA-CC-M12	0.5–200	0.1			3226100

Subject to technical modifications and printing errors. Images may vary slightly from actual product.  
12.10.2022

**Ordering data:**

Type:	Measuring range: ppm	Resolution: ppm	Output signal:	Power supply:	Item number:
WP7MA-D-M12	5 – 500	0.1	4 – 20 mA	12 – 30 VDC $R_L = 50 – 900 \Omega$	3426421
WP7MA-M-M12	5 – 1000	1.0			3426422
WP7MA-MM-M12	5 – 2000	1.0			3426423
WP7MA-XM-M12	0.005 – 10000	10.0			3426424

**Additional technical data:**

Type:	Slope:	Cable Connection:	Special characteristics:
WP7H-M12	-10 mV/ppm	5-pin M12 screwed plug	Connection only to a controller with galvanically separated power supply.
WP7N-M12	-1 mV/ppm		
WP7H-An-M12	-10 mV/ppm		
WP7N-An-M12	-1 mV/ppm		
WP7H-M0c	-10 mV/ppm		
WP7N-M0c	-1 mV/ppm		
WP7MA-CC	0.08 mA/ppm	2-pole terminal	Connection only to a controller with galvanically separated power supply.
WP7MA-D	0.032 mA/ppm		
WP7MA-M	0.016 mA/ppm		
WP7MA-MM	0.008 mA/ppm		
WP7MA-XM	0.0016 mA/ppm		
WP7MA-CC-M12	0.08 mA/ppm	5-pin M12 screwed plug	
WP7MA-D-M12	0.032 mA/ppm		
WP7MA-M-M12	0.016 mA/ppm		
WP7MA-MM-M12	0.008 mA/ppm		
WP7MA-XM-M12	0.0016 mA/ppm		

**Spare parts:**

Spare parts:	for sensor type:	Item number:
Membrane cap <b>M7.1N</b>	<b>WP7</b> (all types except WP7MA-XM, WP7MA-XM-M12)	9026010
Membrane cap <b>M7.1D</b>	<b>WP7MA-XM, WP7MA-XM-M12</b>	9026007
Electrolyte <b>EWP7/W</b>	<b>WP7</b> all types	9026062

**Accessories:**

Type:	for sensor type:	Item number:
<b>Sensor simulator pH, Redox, Cl</b>	all sensors with mV signal	21131100
<b>Sensor simulator SIM11.1n</b>	0 mV, -100 mV, -1000mV	9026205
<b>Sensor simulator 4 – 20 mA, current sensor</b>	all sensors with mA signal	90249000
<b>mV Simulator and mA Tester</b>	all sensors with mV signal or mA signal	21131105
<b>Photometer</b> for calibration	chlorine, total chlorine, isocyanuric, pH, hydrogen peroxide	90231030