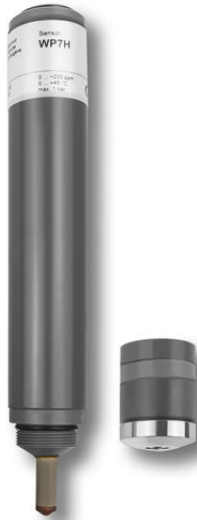


### 1.1.1 DOSASens Hydrogen peroxide Sensor WP7

Sensor for the measurement of hydrogen peroxide, with surfactant-resistant membrane.



#### 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: 0 ... 1 bar, no pressure surges and/or fluctuations
- Temperature range: 0 ... 45 °C
- Integrated automatic temperature compensation
- Response time: T<sub>90</sub> approx. 5 ... 10 min
- Flow rate: approx. 30 l/h, low flow-dependence
- Shaft length: standard 175 mm, and up to 220 mm in length (mA-Version)
- Connection: standard 4-pole plug; M12 male, mA-version 2-pole terminal or M12 male
- Material: PVC-U, stainless steel 1.4571

#### Areas of application:

- Fresh water, tensides are tolerated

#### Scope of supply:

- **WP7:** sensor, membrane cap, electrolyte

#### Ordering data:

Type:	Measuring range: ppm	Resolution: ppm	Output signal:	Power supply:	Item number:	
WP7H	0.0 ... 200.0	0.1	0 ... -2000 mV 1 kΩ	±5 ... ±15 VDC 10 mA	3326083	
WP7N	0 ... 2000	1			3326084	
WP7H-An	0.0 ... 200.0	0.1		Modbus RTU	9 ... 30 VDC 20 ... 56 mA	3226110
WP7N-An	0 ... 2000	1				3226111
WP7H-M0c	0.0 ... 200.0	0.1	3226130			
WP7N- M0c	0 ... 2000	1			3226131	

Subject to technical modifications and printing errors. Images may vary slightly from actual product.  
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## Ordering data:

Type:	Measuring range: ppm	Resolution: ppm	Output signal:	Power supply:	Item number:
WP7MA-CC	0.0 ... 200.0	0.1	4...20 mA	12 ... 30 VDC RL 50Ω ... RL 900Ω	3326081
WP7MA-D	0.0 ... 500.0	0.1			3326075
WP7MA-M	0.0 ... 1000	1			3326099
WP7MA-MM	0 ... 2000	1			3326074
WP7MA-XM	0 ... 10000	10			3326072
WP7MA-CC-M12	0.0 ... 200.0	0.1	4...20 mA	12 ... 30 VDC RL 50Ω ... RL 900Ω	3226100
WP7MA-D-M12	0.0 ... 500.0	0.1			3226101
WP7MA-M-M12	0.0 ... 1000	1			3226102
WP7MA-MM-M12	0 ... 2000	1			3226103
WP7MA-XM-M12	0 ... 10000	10			3226104

## Additional technical data:

Type:	Slope:	Connection:	Special characteristics:
WP7H	-10 mV/ppm	4-pin plug	Connection only to a controller with galvanically separated power supply.
WP7N	-1 mV/ppm		
WP7H-An	-10 mV/ppm		
WP7N-An	-1 mV/ppm		
WP7H-M0c	-10 mV/ppm	M12 female	-
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	M12 female	
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 part:	for sensor:	Item number:
Membrane cap <b>M7N</b>	<b>WP7</b> (all types except WP7MA-XM, WP7MA-XM-M12)	9026010
Membrane cap <b>M7D</b>	<b>WP7MA-XM, WP7MA-XM-M12</b>	9026007
Electrolyte <b>EWP7/W</b>	<b>WP7</b> all types	9026062

**Accessories:**

Type:	for sensor:	Item number:
Sensor-simulator pH, redox, Cl	all sensors with mV signal	21131100
mV-sensor-simulator	all sensors with mV signal	9026205
mA-sensor-simulator	all sensors with mA-signal	on request
mV-Simulator and mA-Tester	all sensors with mV-signal or mA-signal	21131105