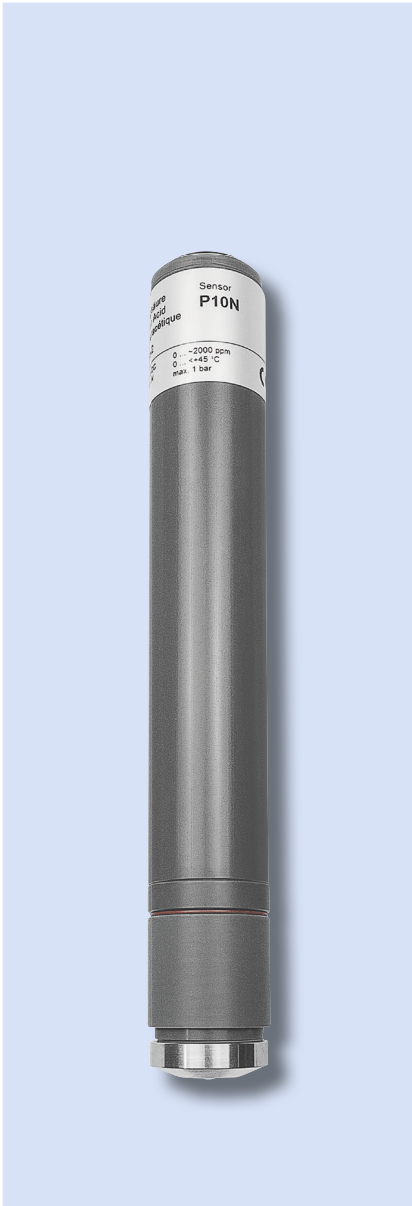


1.1.1.

DOSASens Peracetic acid sensor P10



Sensor for the measurement of peracetic acid – surfactants and lead acids are tolerated. Peracetic acid sensor with membrane-covered, amperometric 2-electrode system. The membrane system is mechanically robust. The membrane system is largely tensile resistant.

Product description:

- Measurand(s): Peracetic acid
- Calibration of the controller:
 - DIN 38409-15 “Determination of hydrogen peroxide”
 - ISO/DIS 7157 “Determination of hydrogen peroxide – titrimetric method”
- Interferences:
 - ClO₂ is registered with factor 1 of its measuring value
 - H₂O₂ does not interfere
 - O₃ is registered with factor 2500 of its measuring value
- pH range: 1 – 6
- 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
- Sensor with automatic temperature compensation
- Response time: T₉₀ approx. 1.5–5 min (depending on type and temperature)
- Absence of the disinfectant: max. 24 h
- Flow rate: approx. 45 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:

- Fresh water, all types of water treatment (e.g. CIP-plant, rinser)
- Lead acids: up to 1% sulfur, saltpetre and phosphoric acid have no influence on the measuring results.
- Surfactants are tolerated.

Scope of supply:

- **DOSASens P10** sensor, membrane cap, electrolyte, operating manual

Ordering data:

Type:	Measuring range: ppm	Resolution: ppm	Output signal:	Power supply:	Item number:
P10H-M12	0–200	0.1	0 to -2000 mV 1 kΩ	±5 to ±15 VDC, 10 mA	3626380
P10N-M12	0–2000	1			3626381
P10L-M12	0–2 % (20000 ppm)	0.001 % (10 ppm)			3626382
P10H-An-M12	0–200	0.1	0 to -2000 mV (max. -2500 mV) 1 kΩ	9 – 30 VDC 20– 56 mA	3626390
P10N-An-M12	0–2000	1			3626391
P10L-An-M12	0–2 % (20000 ppm)	0.001 % (10 ppm)			3626392
P10H-M0c	0–200	0.1	Modbus RTU		3426030
P10N-M0c	0–2000	1			3426031
P10L-M0c	0–2 % (20000 ppm)	0.001 % (10 ppm)			3426032

Ordering data:

Type:	Measuring range:	Resolution:	Output signal:	Power supply:	Item number:
P10MA-200	0 – 200 ppm	0.1 ppm	4 to 20 mA	12 – 30 VDC R _L = 50 Ω (12 V) ... R _L 900 Ω (30 V)	3426054
P10MA-2000	0 – 2000	1			3426050
P10MA-2%	0 – 2 % (20000 ppm)	0.001 % (10 ppm)			3426051
P10MA-5%	0 – 5 % (50000 ppm)	0.01 % (100 ppm)			3426052
P10MA-200-M12	0 – 200	0.1			3426064
P10MA-2000-M12	0 – 2000	1			3426060
P10MA-2%-M12	0 – 2 % (20000 ppm)	0.001 % (10 ppm)			3426061
P10MA-5%-M12	0 – 5 % (50000 ppm)	0.01 % (100 ppm)			3426062

Additional technical data:

Type:	Slope:	Cable Connection:	Special characteristics:	
P10H-M12	-10 mV/ppm	5-pin M12 screwed plug	Connection only to a controller with galvanically separated power supply.	
P10N-M12	-1 mV/ppm			
P10L-M12	-1000 mV/% (-0,1 mV/ppm)			
P10H-An-M12	-10 mV/ppm			
P10N-An-M12	1 mV/ppm			
P10L-An-M12	-1000 mV/% (-0.1 mV/ppm)			
P10H-M0c	Modbus RTU	2 pole terminal	Connection only to a controller with galvanically separated power supply.	
P10N-M0c				
P10L-M0c				
P10MA-200	0.08 mA/ppm			
P10MA-2000	0.008 mA/ppm			
P10MA-2%	8 mA/% (0,0008 mA/ppm)			
P10MA-5%	3.2 mA/% (0,00032 mA/ppm)			
P10MA-200-M12	0.08 mA/ppm			5-pin M12 screwed plug
P10MA-2000-M12	0.008 mA/ppm			
P10MA-2%-M12	8 mA/% (0,0008 mA/ppm)			
P10MA-5%-M12	3.2 mA/% (0,00032 mA/ppm)			

Spare parts:

Spare parts:	for sensor type:	Item number:
Membrane cap M10.1N+G	P10H, P10N, P10L (all types), P10MA-200, P10MA-2000, P10MA2%	9026017
Membrane cap M10.1G+G	P10MA5%	9026015
Electrolyte EPS9H/W	P10H, P10N all types, P10MA-2000	9026071
Electrolyte EPS9L/W	P10 L, all P10MA-2%, all P10MA-5%	9026072

Accessories:

Type:	for sensor type:	Item number:
Sensor simulator pH, Redox, Cl	all sensors with mV signal	21131100
Sensor simulator SIM11.1n	0 mV, -100 mV, -1000mV	9026205
Sensor simulator 4 – 20 mA, current sensor	all sensors with mA signal	90249000
mV Simulator and mA Tester	all sensors with mV signal or mA signal	21131105