

1.1.1 DOSASens Peracetic acid Sensor PES7

Sensor for the measurement of peracetic acid $C_2H_4O_3$, up to 1%ige sulfur- and nitric acid are tolerated.



Product description:

- Measurand(s): Peracetic acid
- Calibration: DIN 38409-15 "Determination of hydrogen peroxide", ISO/DIS 7157 "Determination of hydrogen peroxide – titrimetric method"
- Interferences:
 - ClO_2 is registered with factor 1 of its measuring value
 - H_2O_2 is registered with factor 0.005 of its measuring value
 - O_3 is registered with factor 2500 of its measuring value
- pH range: 1 ... 6
- Pressure range: 0 ... 1 bar, no pressure surges and/or fluctuations
- Temperature range: 0 ... 45 °C (not any ice crystal in test water)
- Integrated automatic temperature compensation
- Response time: T_{90} approx. 3 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, for mA-version 2-pole terminal
- Material: PVC-U, stainless steel 1.4571

Areas of application:

- Fresh water, all types of water treatment,
- Lead acids are tolerated,
- Surfactants must not be existent

Scope of supply:

- **PES7:** sensor, membrane cap, electrolyte

Ordering data:

Type:	Measuring range: ppm	Resolution: ppm	Output signal	Power supply:	Item number:
PES7H	0 ... 200	0,1	0 ... -2000 mV 1 kΩ	±5 ... ±15 VDC 10 mA	3326062
PES7N	0 ... 2000	1			3326060
PES7L	0 ... 2% (20000)	0,001% (10)			3326064
PES7H-An	0 ... 200	0,1		9 ... 30 VDC 20 ... 56 mA	3226200
PES7N-An	0 ... 2000	1			3226201
PES7L-An	0 ... 2% (20000)	0,001% (10)			3226202
PES7Up	0 ... 2000	1		±5 - ±12,5 VDC, 10 - 25 VDC, 25 mA	3326061
PES7Up5000	0 ... 2000	5		±5 ... ±15 VDC 10 mA	3626010

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:
PES7H-M0c	0 ... 200	0,1	Modbus RTU	9 ... 30 VDC 20 ... 56 mA	3226220
PES7N-M0c	0 ... 2000	1			3226221
PES7L-M0c	0 ... 2% (20000)	0,001% (10)			3226222
PES7MA-CC	0 ... 200	0,1	4 ... 20 mA	12 ... 30 VDC RL 50Ω ... 900Ω	3326069
PES7MA-D	0 ... 500	1			3326065
PES7MA-M	0 ... 1000	1			3326097
PES7MA-MM	0 ... 2000	1			3326063
PES7MA-5M	0 ... 5000	1			3326066
PES7MA-CC-M12	0 ... 200	0,1			3226240
PES7MA-D-M12	0 ... 500	1			3226241
PES7MA-M-M12	0 ... 1000	1			3226242
PES7MA-MM-M12	0 ... 2000	1			3226243
PES7MA-5M-M12	0 ... 5000	1			3226244

Additional technical data:

Type:	Slope:	Connection:	Special characteristics:
PES7H	-10 mV/ppm	4-pin plug	Connection only to a controller with galvanically separated power supply
PES7N	-1 mV/ppm		
PES7L	-1000 mV/% (-0,1 mV/ppm)		
PES7H-An	-10 mV/ppm		
PES7N-An	-1 mV/ppm		
PES7L-An	-1000 mV/% (-0,1 mV/ppm)		
PES7H-M0c	-10 mV/ppm	M12 female	-
PES7N-M0c	-1 mV/ppm		
PES7L-M0c	-1000 mV/% (-0,1 mV/ppm)		
PES7MA-CC	0,08 mA/ppm	2 pole terminal	Connection only to a controller with galvanically separated power supply
PES7MA-D	0,032 mA/ppm		
PES7MA-M	0,016 mA/ppm		
PES7MA-MM	0,008 mA/ppm		
PES7MA-5M	32 mA/% (0,0032 mA/ppm)		
PES7Up	+1 mV/ppm	4-pin plug	-
PES7Up5000	+0,4 mV/ppm		

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Spare parts:

Spare part:	for sensor:	Item number:
Membrane cap M7N	PES7H, PES7N, PES7MA-CC, PES7MA-D, PES7MA-M, PES7MA-MM,	9026010
Membrane cap M7L	PES7L, PES7MA-XM	9026012
Electrolyte EPS7/W	PES7H, PES7N, PES7MA-CC, PES7MA-D, PES7MA-M, PES7MA-MM,	9026064
Electrolyte EPS7L/W	PES7L, PES7MA-XM,	9026068

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
Photometer for calibration	all sensors	on request