

1.1.1 Peracetic acid Sensor PES7

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



Product description:

- Measurand(s): Peracetic acid
- Calibration: at the controller, via analytical determination by DPD-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: 5 ... 45 °C,
- Integrated automatic temperature compensation
- Response time: T_{90} approx. 3 min,
- Flow rate: approx. 30 l/h, low flow-dependence,
- Shaft length: 175 mm, mA-Version 220 mm,
- 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: Peracetic acid sensor PES7	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
PES7H-M0c	0 ... 200	0.1	Modbus RTU		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: C ₂ H ₄ O ₃ sensor PES7 Shaft length: 175 mm	Slope:	Connection:	Special characteristics:
PES7H	-10 mV/ppm	4-pole 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 male	
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)		

Spare parts:

Spare part: C ₂ H ₄ O ₃ sensor PES7	For sensor type:	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	(10115)
mV-sensor-simulator	all sensors with mV signal	9026205
mA-sensor-simulator	all sensors with mA signal	2125100
mV-simulator and mV-Tester	all sensors with mV signal	(10300)
mV-simulator and mA-Tester	all sensors with mV-signal or mA-signal	(10305)
Photometer for calibration	all sensors	
Reagent for photometer	all sensors	