

	<h1>TARAttec OZ7</h1>
Response time	T ₉₀ : approx. 50 sec.
Zero point adjustment	Not necessary
Slope calibration	At the device, by analytical determination, e. g. DPD-4 method (DPD-1 + DPD-3) Advice: when used in sea water DPD-4 method (DPD-1 + DPD-3) is not selective to ozone
interferences	Cl ₂ : OZ7H: factor 0.015 OZ7N: negligible ClO ₂ : OZ7N: factor 0.06
Absence of the disinfectant	Max. 24 h
Connection	analog-out/analog version: 4-pole plug adapter analog-out/digital version: 4-pole plug adapter digital-out/digital version: 5-pole M12, plug-on flange 4-20 mA version: 2-pole terminal or 5-pole M12, plug-on flange
material	PVC-U, stainless steel 1.4571
Size	diameter: approx. 25 mm Length: analog-out/analog version approx. 175 mm version analog-out/digital approx. 195 mm version digital-out/digital approx. 205 mm 4-20 mA version approx. 220 mm (2-pole-terminal) approx. 190 mm (5-pole-M12)
Transport	+5 ... +50 °C (Sensor, electrolyte, membrane cap)
storage	Sensor: dry and without electrolyte no limit at +5 ... +40 °C
	Electrolyte: in original bottle protected from sunlight at +5 ... +35 °C min. 1 year or until specified EXP-Date
	Membrane cap: in original packing no limit at +5 ... +40 °C (used membrane caps can not be stored)
maintenance	Regularly control of the measuring signal, min. once a week The following specifications depend on the water quality: Change of the membrane cap: once a year Change of the electrolyte: every 3 - 6 months
	EMC-Testing DIN EN 61326-1, 61326-2-3 RoHS compliant

Technical Data
1. OZ7 (Analog output, analog internal signal processing)

analog-out / analog

A potential-free electrical connection is necessary as the sensor electronic is not equipped with a galvanical isolation.


	Measuring range in ppm	Resolution in ppm	Output Output resistance	Nominal slope in mV/ppm	Voltage supply	Connection
OZ7H	0.005...2.000	0.001	0...-2000 mV 1 kΩ	-1000	±5 - ±15 VDC 10 mA	4-pole screw connector
OZ7N	0.05...20.00	0.01		-100		
OZ7HUp	0.005...2.000	0.001	0...+2000 mV 1 kΩ	+1000	10 - 30 VDC 10 mA	
OZ7Up	0.05...20.00	0.01		+100		

(Subject to technical changes!)

2. OZ7 (analog output, digital internal signal processing)

analog-out / digital

- The power supply is galvanically isolated inside of the sensor.
- The output signal is galvanically isolated too, that means potential-free.


	Measuring range in ppm	Resolution in ppm	Output Output resistance	Nominal slope in mV/ppm	Power supply	Connection
OZ7H-An	0.005...2.000	0.001	analog 0...-2 V (max. -2.5 V)	-1000	9-30 VDC approx. 56-20 mA	4-pole screw connector
OZ7N-An	0.05...20.00	0.01	1 kΩ	-100		
OZ7H-Ap	0.005...2.000	0.001	analog 0...+2 V (max. +2.5 V)	+1000		
OZ7N-Ap	0.05...20.00	0.01	1 kΩ	+100		

(Subject to technical changes!)

3. OZ7 (digital output, digital internal signal processing)

digital-out / digital

- The power supply is galvanically isolated inside of the sensor.
- The output signal is galvanically isolated too, that means potential-free.

	Measuring range in ppm	Resolution in ppm	Output Output resistance	Power supply	Connection
OZ7H-M0c	0.005...2.000	0.001	Modbus RTU	9-30 VDC approx. 56-20 mA	5-pole M12 plug-on flange
OZ7N-M0c	0.05...20.00	0.01	There are no terminating resistors in the sensor.		


(Subject to technical changes!)

4. OZ7 4-20 mA (Analog output, analog internal signal processing)

analog-out / analog


A potential-free electrical connection is necessary as the sensor electronic is not equipped with a galvanical isolation.

4.1 Electrical connection: 2 pole terminal clamp

	Measuring range in ppm	Resolution in ppm	Output Output resistance	Nominal slope in mA/ppm	Voltage supply	Connection
OZ7MA0.2	0.005...0.200	0.001	4...20 mA uncalibrated	80.0	12...30 VDC R _L 500Ω...R _L 900Ω	2-pole terminal (2 x 1 mm ²) Recommended: Round cable ∅ 4 mm 2 x 0.34 mm ²
OZ7MA0.5	0.005...0.500	0.001		32.0		
OZ7MA2	0.005...2.000	0.001		8.0		
OZ7MA5	0.05...5.00	0.01		3.2		
OZ7MA10	0.05...10.00	0.01		1.6		
OZ7MA20	0.05...20.00	0.01		0.8		

(Subject to technical changes!)

4.2 Electrical connection: 5 pole M12 plug-on flange

	Measuring range in ppm	Resolution in ppm	Output Output resistance	Nominal slope in mA/ppm	Voltage supply	Connection
OZ7MA0.2-M12	0.005...0.200	0.001	4...20 mA uncalibrated	80.0	12...30 VDC R _L 50Ω...R _L 900Ω	5-pole M12 plug-on flange Function of wires: PIN2: +U PIN3: -U
OZ7MA0.5-M12	0.005...0.500	0.001		32.0		
OZ7MA2-M12	0.005...2.000	0.001		8.0		
OZ7MA5-M12	0.05...5.00	0.01		3.2		
OZ7MA10-M12	0.05...10.00	0.01		1.6		
OZ7MA20-M12	0.05...20.00	0.01		0.8		

(Subject to technical changes!)

Spare Parts

Type	Membrane cap	Electrolyte	Emery	O-ring
OZ7H	M7.1N O3 Art. no. 11018.1	EOZ7/W, 100 ml Art. no. 11102	S2 Art. no. 11906	14 x 1.8 silicone Art. no. 11805
OZ7HUp				
OZ7N	M7.1D O3 Art. no. 11017.1			
OZ7Up				
OZ7MA0.2	M7.1N O3 Art. no. 11018.1			
OZ7MA0.5				
OZ7MA2	M7.1D O3 Art. no. 11017.1			
OZ7MA5				
OZ7MA10				
OZ7MA20				

(Subject to technical changes!)

