

ANSEROS OZONE WATER MONITOR TIZ



OZONE MONITORING

- O₃ in potable water
- O₃ in desalinated water
- O₃ in swimming pool water
- O₃ in RO-water
- O₃ in waste water
- O₃ in pure DI-water



KEY FEATURES

TIZ MONITOR

- + non-mechanical cleaning of sensor:
patented TIZ self-cleaning system
without abrasive stress of electrodes
- + calibration period: 1 (one) year
- + process monitor
- + integrated PI controller for ozone dosing
- + no membranes used
- + no maintenance
- + suitable for desalinated water
- + three electrode principle



2-CHANNEL TIZ AMPLIFIER



INLINE TIZ SENSOR

TECHNICAL DATA

TIZ MONITOR

measuring principle:	amperometer with potentiostat, self-cleaning by intermitting re-activation of the electrodes
measuring range:	0.01 4.00 mg O ₃ /l water
optional ranges:	0 ... 1 / 2 / 10 / 20 mg O ₃ /l water
accuracy:	+/- 1% of scale end
displayed accuracy:	0.01 mg O ₃ /l water
calibration period:	1 (one) year
analogue output:	0/4 ... 20 mA, equipped with galvanical isolator 0/4 ... 20 mA
shunt:	individual scaling, possible ranges: 0 ... 0.1 0.2 0.3 0.4 ... 0.5 1.0 2.0
digital output:	RS 485, suitable for PROFIBUS-DP
quantity channel:	1 (one) amplifier, option: 2 / 3 amplifiers (cf. TIZ station)
material of twin electrode:	2 x gold (Au, Au)
reactivation principle:	TIZ AutoClean, galvanically operated, non-abrasive (option)
power supply A:	230 VAC/50Hz - 10 VA
power supply B:	110 VAC/60Hz - 10 VA, others on request
ambient conditions:	< 50 °C, 90% rH, non-condensing
protection A:	TIZ-OEM, front IP54, back IP30, W 96 * H 96 * D 140 mm
protection B:	TIZ-W, IP 65, wall-housing, W 165 * H 160 * D 85 mm
controller, built-in:	P/PI type with characteristics: pulse-pause / pulse-frequency / continuous signal
controller relay:	3 pcs, each 250 V, 6 A, 550 VA
measuring chamber:	inline flow through type, transparent
water pressure, inlet:	6 bar
water pressure, outlet:	6 bar
inlet connector:	DN 25
water conductivity :	2 µS 2000 mS / cm
weight A:	0.8 kg
weight B:	1.7 kg
Anseros patent:	DE 421 58 39
approval:	CE

DISTRIBUTOR



MANUFACTURER



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