Datasheet

Salinity Probe
Product no. I01



The OxyGuard Salinity Probe is specially designed for aquaculture use. Factory calibration and automatic temperature compensation make it very easy to use. It is found in two versions. One is a 3-wire 4-20 mA sensor - connect it to 24 VDC and the output varies between 4 and 20 mA according to the salinity. The other has data bus connection for use with OxyGuard Pacific.

The probe is designed to be as trouble-free as possible, with features specially suited for aquacultural use. Inductive technology is used so that you don't have to worry about deposits on the surface of the probe - all you have to do is ensure that the hole in the probe is open and relatively clean.
The probe measures salinity according to the internationally agreed PSS-78 scale (Practical Salinity Scale 78).

Technical advantages

The OxyGuard Salinity Probe is robust, accurate and easy to use. It has automatic temperature compensation and is factory calibrated according to the PSS-78 standard for practical salinity. The output signal corresponds to a salinity of 0 to 50 ppt. The accuracy is +/- 1 ppt and the repeatability is +/- 0.5% of the measured value.

Technical specifications - Salinity Probe with built-in 4-20 mA transmitter

Parameters	Salinity, ppt (%).
Probe dimensions	40 mm diameter x 162 mm.
Cable	Standard length 7 m, other on request.
Operating conditions	-5°C to +45°C.
Supply	10-28 VDC.
Measuring range	The output signal corresponds to 0 to 50 ppt.
Output signal	4-20 mA.
Factory calibration	According to PSS-78.
Accuracy	+/- 1 ppt between 2 and 42 ppt at temperatures between -2 and +35°C.
Repeatability	Typically better than +/- 0.5% of measured value.
Response time	Approx. 2 seconds, temperature unchanged.
Delivery comprises	Salinity probe fitted with with 7 m cable, cleaning brush.

Technical specifications - Salinity Probe for OxyGuard Pacific

Parameters	Salinity, ppt (%).
Probe dimensions	40 mm diameter x 162 mm.
Cable	Standard length 7 m, other on request.
Operating conditions	-5°C to +45°C.
Supply	10-28VDC <30 mA.
Measuring range	The output signal corresponds to 0 to 50 ppt.
Output signal	Field bus signal for OxyGuard Pacific.
Factory calibration	According to PSS-78.
Accuracy	+/- 1 ppt between 2 and 42 ppt at temperatures between -2 and +35°C.
Repeatability	Typically better than +/- 0.5% of measured value.
Response time	Approx. 2 seconds, temperature unchanged.
Delivery comprises	Salinity probe fitted with with 7 m cable, cleaning brush.

Order information / part numbers

Salinity Probe with built-in 4-20 mA transmitter	Item no: I01FS
Salinity Probe for OxyGuard Pacific	Item no: I01FSP

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