

OxyGuard Salinity Probe

Salinity Probe with built-in transmitter



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 Information

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.

Specifications

Salinity Probe with built-in 4-20 mA transmitter:

Parameters:	Salinity, ppt (‰).
Probe dimensions:	40 mm diameter x 145 mm.
Cable:	Standard length 7 m, other on request.
Operating conditions:	-5 to +45°C.
Supply:	24VDC +/- 30%.
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.
Ordering number:	I01FS

Salinity Probe for OxyGuard Pacific:

Parameters:	Salinity, ppt (‰).
Probe dimensions:	40 mm diameter x 145 mm.
Cable:	Standard length 7 m, other on request.
Operating conditions:	-5 to +45°C.
Supply:	24VDC +/- 30%.
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.
Ordering number:	I01FSP