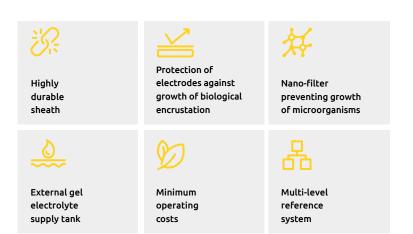


## Effective and easy measurement at fish farms

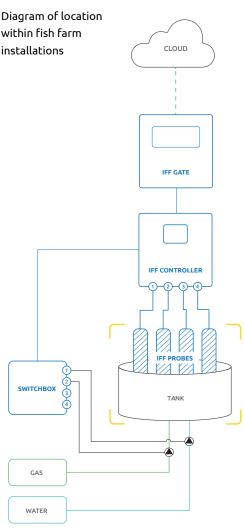
Measuring water pH is an important water quality parameter. The XB2-S probe is used to measure pH in the standard range (0-14 pH), for fresh water and salt water applications. It consists of a stainless-steel head with the option of replaceable electrodes, a body with integrated electronics and a durable cable.

## **Advantages**

Every fish species requires a specific pH value for its optimum development. A rising pH causes  $\mathrm{NH_4}^+$  to be converted to toxic undissociated  $\mathrm{NH_3}$ , which results in fish mortality. Depending on the species of fish being farmed, XB2-S probe measurements can be used to ensure optimum pH value. Intermittent water pollution can also be detected if this probe is located at the inflow. The probe uses an external supply tank of gel electrolyte and a multi-level reference system, which prevents the probe from being poisoned by sea water and extends its service life.



## Structure





Basic technical parameters	
Power supply	external source 18 ÷ 35V DC/ 30 mA
Signal output	4 ÷ 20 mA + MODBUS
Temperature measuring range	-20 ÷ 120 °C
Temperature measurement accuracy	± 0,2 °C; ± 1 dig.
Measuring range - pH; mV	1,000 ÷ 14,000 pH; -1200,0 ÷ 1200,0 mV
Measuring accuracy - pH; mV	± 0,01; ± 0,01 %; ± 1 dig.
Input resistance for pH sensor	10 <sup>12</sup> Ω
Temperature compensation	automatic, manual -10 ÷ 110 °C
Operating temperature range	0 ÷ 50 °C
Storage temperature range	-20 ÷ 70 °C
Pressure range	0 to 1 bar (0 ÷ 10 m water column)
Temperature sensor	Ni 1000
Protection rating	IP 68
Dimensions	270 x 36 mm
Dimensions (box)	320 x 200 x 75 mm
Material	stainless steel 1,4404; PVC-U black; PUR (cable)
Maximum immersion depth	30 m



## **GDM - Mobile measurement system**Probe can be connected to your mobile phone and measure anywhere