

IFF CONTROLLER

A system for monitoring
and managing processes
on fish farms



Effective and simple management of fish farms

IFF Controllers are the backbone of the entire metering and regulation system on fish farms of any size. The unit collects data using smart probes, which can measure temperature, oxygenation, pH, salinity and ORP. At the customer's request, the unit can also be fitted with a unimeter to make it possible to connect any probe supplied by an external supplier.

In response to the acquired data, it can control up to 4 connected actuators using IFF SwitchBox switches. This system, with a TFT touch screen, guarantees protection against over-voltage and electric interference and has a back-up power supply. The IFF Controller unit is also used to display measured values, the calibration of the connected probes and definition of rules for controlling the connected devices.

The measured data is made available to another device, the IFF Gate, which means that this data can be displayed nearly anywhere in the world



4 sockets for intelligent
probes



Over-voltage and electric
interference protection



4 actuators



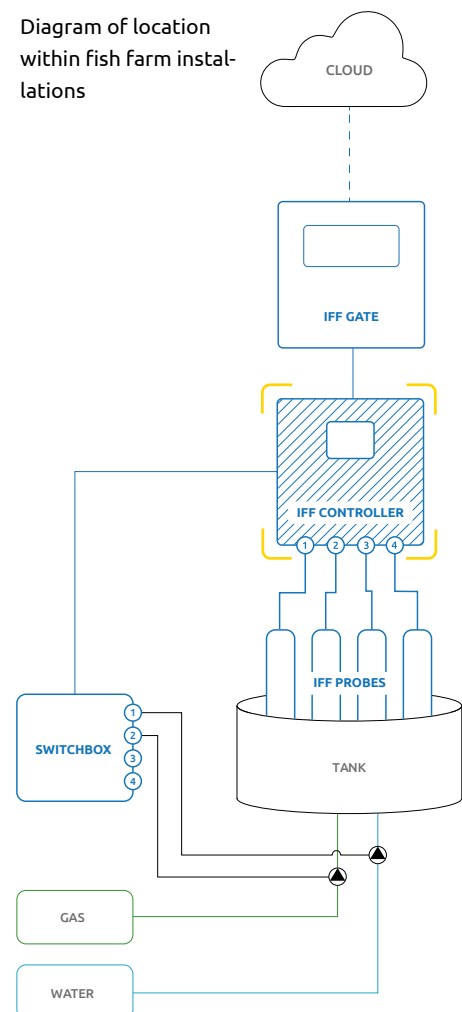
Secure
operation



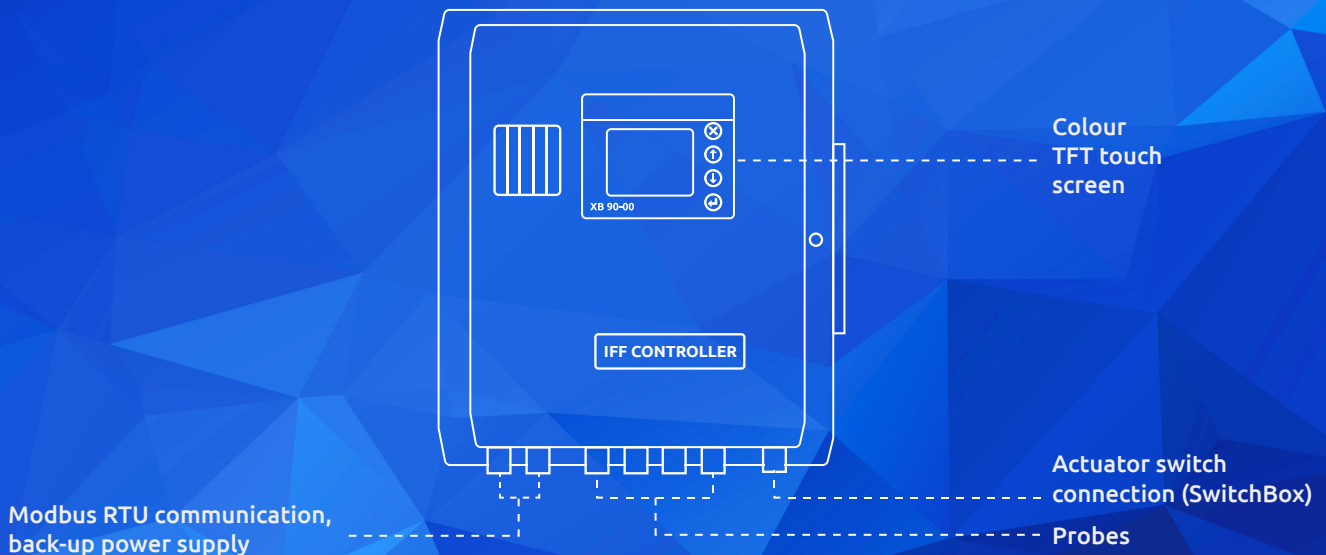
Probe
calibration

Structure

Diagram of location
within fish farm instal-
lations



System includes



Basic technical parameters

Number of measurements	1 ÷ 4
Connection of probes	shielded cable, total cable length must be max. 300 m
Measurement interval	0,5 s, depends on the probe type
Power supply (depends on configuration)	19 ÷ 37 V DC/ 15 ÷ 500 mA, or 90 ÷ 250 V AC
Switches (relays)	4 x 10 A, 250 V
Communication (data output)	MODBUS RTU
Display	colour TFT, resistive touch panel
Operating temperature range	-5 ÷ 50 °C
Storage temperature range	-20 ÷ 70 °C
Dimensions	324 x 289 x 146 mm
Dimensions (box)	520 x 450 x 220 mm
Weight	cca 8 kg