

Monitoring & Control

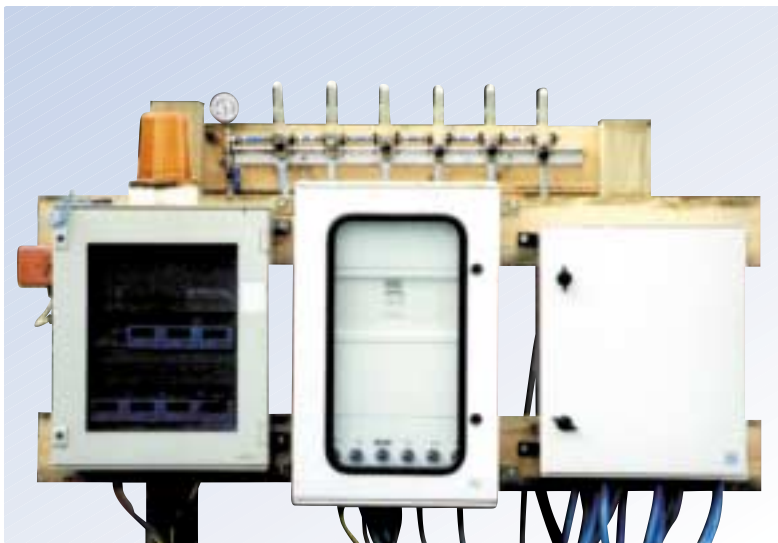
Of Oxygen In A Closed Tank

Overview

The system is based on a number of control cabinets that are connected together with a communication module which receives information from oxygen probes positioned in each tank of the hatchery/farm.

Each cabinet is manufactured as an individual stand alone unit which carries out the function of monitoring and control of a number of tanks. It is fitted with its own internal alarm system and output for the operation of solenoid valves. All Cabinets in a single system are connected together and a signal transmitted to an RS232/486 converter to a dedicated PC loaded with the system software.

The software combines the latest analogue technology with windows allowing easy configuration and information access for the user. The main window of the software shows a representation of the farm layout with relevant data windows showing readings from probes within the system. Easy access is available on the PC for the user to change the system settings and to calibrate probes and sensors within the system. The software will record all data from the system and this may be accessed by the user as real time or historical data which can be viewed as a listing or in a graphical form.



Specification

The system is modular and can start from a basic requirement such a monitoring to a fully automatic monitoring and control system. Each future addition can be inter-linked with the original and the software updated to control the system as one.

The system is capable of monitoring O₂ levels, temperature water levels and flow. It can be configured with compatible hardware to monitor and control other functions such as feeding and this may be combined as a function with temperature control.