

# Specifications

## Specifications - OxyGuard Probe

Measurement principle:	Oxygen: Galvanic oxygen partial pressure cell, self polarizing, self temperature compensating. Temperature: Precision NTC
Dimensions:	Diameter = 58 mm, length = 59 mm.
Weight:	Probe alone 0.2 kg. Probe with 7m cable 0.5 kg.
Connections:	Cable, 4 lead, standard cable length = 7 m.
Measurement range:	0 to 20 mg/l (ppm)/ 0 to 200 % sat, higher on request. Temp. from -5°C.
Accuracy:	Depends on calibration and conditions. Typical better than +/-1% of value.
Output stability:	In air at constant temperature stable to within +/- 1% over 1 year.
Accuracy, temperature:	+/- 0,3°C.
Operating conditions:	0 to 40°C, pressure to 2 bar. Higher on request.
Storage temperature:	-5 to +60°C.

## Specifications - Atlantic Transmitter

Construction:	ABS enclosure with display, indicators, pushbuttons and alarm buzzer.
Dimensions & weight:	b x h x d: 213 x 185 x 95 mm, 1.2 kg.
Supply & consumption:	230 VAC, 115 VAC +/-10% or 9 to 36VDC. 10 W. Specify when ordering.
Operating conditions:	-10 to +50°C. Max. 90% humidity non-condensing. Enclosure IP65.
Storage conditions:	-10 to +60°. Max. 90% humidity non-condensing.
Measurement inputs:	From probe: mV oxygen signal, resistance temperature signal. Scaleable ranges.
Compensation input:	4-20 mA. Scaleable. Max voltage drop 5V at 20 mA.
Parameters:	mg/l (ppm); % sat; % vol; mbar O <sub>2</sub> , temperature. Can be scaled and linked.
Analogue output:	4-20 mA. Max. load 820 ohm (total). User selectable range & parameter. Fully galvanically isolated from all inputs.
Display:	Graphical LCD with backlight. Max 4 figures, 2 decimals, 13 mm height.
Conversion accuracy:	To display and analogue output < +/- 0.1%. Non-linearity and repeatability typically < +/- 0.1% of actual value.
Relay outputs:	4, with potential free changeover (SPDT) contacts. Selectable mode (direct or inverted), and linking to parameter or logical argument. Max load 200VA or 1A AC, recommended max 24 VAC (abs. max 250 VAC). 2A at 24 VDC.
Logical functions:	Direct, inverted, multiply. With "and" and "not and" linking.
Alarms:	6, variable hysteresis about set point. Selectable parameter, values & linking.
Timers:	4, from 1 second to 999999 seconds (11 days). Selectable period, duty cycle and offset. Can activate or be activated by alarm. Can freeze the output. Can activate relays. Can be reset from front panel.

## Ordering Information

B07II: OxyGuard Atlantic with probe for Industrial use.  
B072I: OxyGuard Atlantic with probe for Industrial use. Version with analogue compensation input.  
Please specify operating voltage - 230 VAC, 115 VAC or 24 VDC.  
Please add -M18 to type number for probe with M18 threaded top.  
Please add -EX to type number for EX version of probe, and -EXM18 for EX probe with threaded top.  
The barrier between the probe in the EX area and the transmitter in the safe area should be ordered separately.  
STXWOHR Configuration to customer specification per hour.

D10CAFADD: Extra for Anti-Fouling cap on probe.  
D10JBX1: Junction Box for extending probe cable.