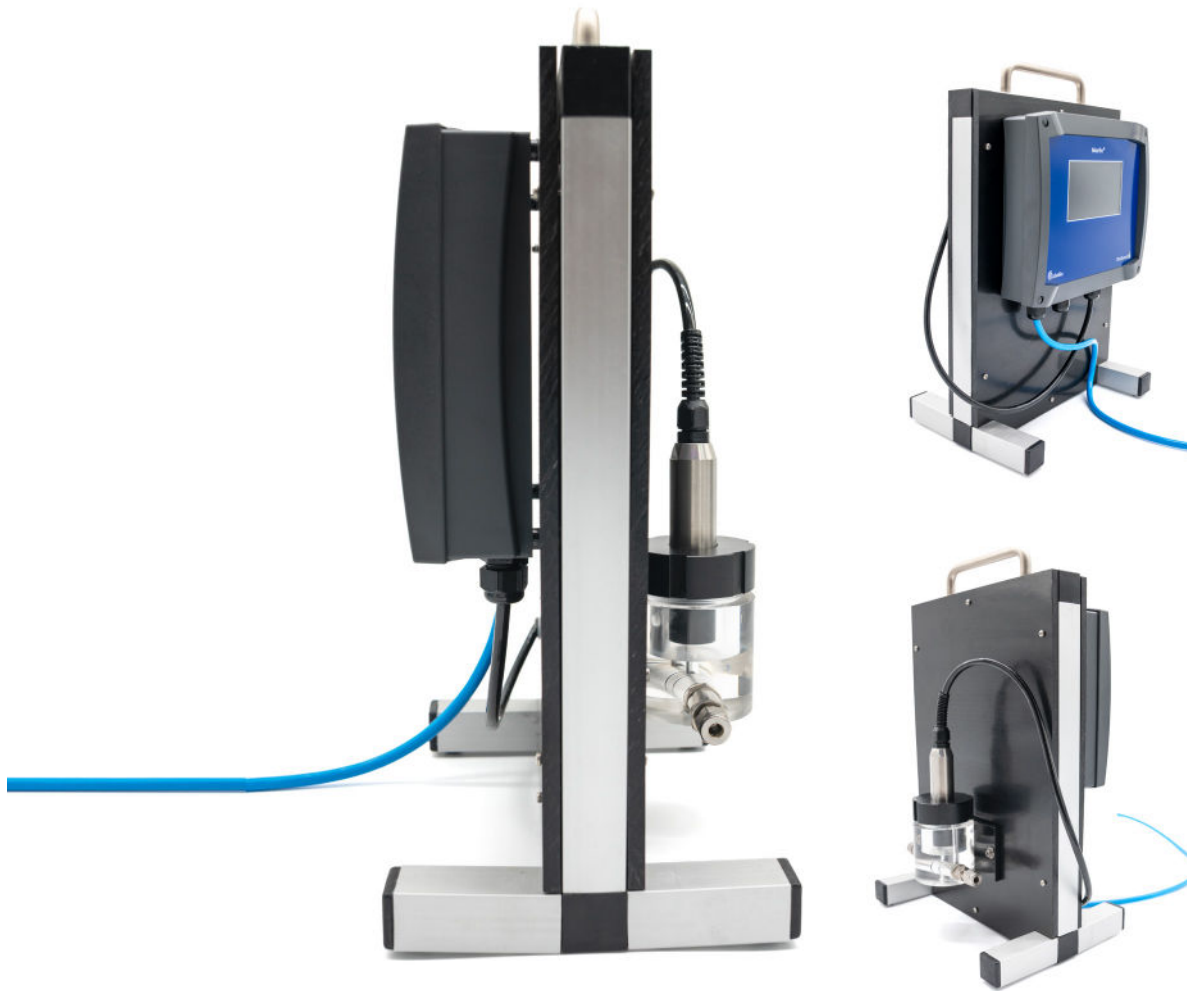




Datasheet

OxyGuard PPB (Parts Per Billion)
Product no. L04



PPB dissolved oxygen monitoring and measurement
Designed for low-oxygen water applications

Intended use

The OxyGuard PPB is specially designed for the measurement of dissolved oxygen in boiler feed water, condensate, district heating water and other types of water with low dissolved oxygen content.

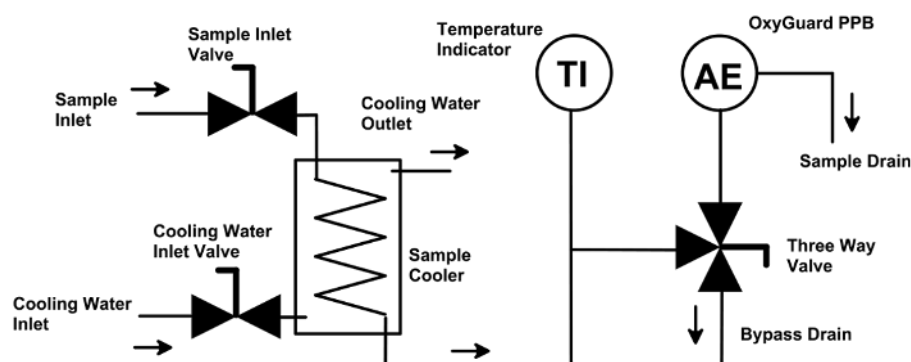
The analyser consists of a probe mounted in a measurement chamber and a transmitter unit with a number of advanced features:

- Autorange 0-2000 ppb
- Measuring temperature
- Alarm and control functions
- Datalog/event functions
- Datalog transfer to the Cloud.
- Ethernet connection (TCP/Modbus)
- mA output
- Relay output
- Touch-screen display
- Easy set-up using touch screen

Technical specifications

Measurement range	0-2000 ppb (0-25 vol% in air calibration)
Dimensions, probe	Ø 21.5 x 135 mm, with 3 m shielded cable
Measuring principle	Self-polarizing, membrane covered amperometric cell
Conditions of use	5 to 50°C
Temperature compensation	Automatic
Measuring chamber	With 6 mm cutting ring fittings and a non-return valve
Water sample flow	Depends on oxygen content and temperature, min. 100 ml/min, max. 2000 ml/min.
Water sample pressure	Max. 6 bar
Response time	Less than 20 sec for 90% of a gradual change. From 1 minute in air (calibration) to 100 ppb in approximately 40 sec, and to 10 ppb in less than 3 minutes.
Power supply	24 VDC (option 230 V)
Power consumption:	Min. 600 mA

Installation Example with Sample cooler



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