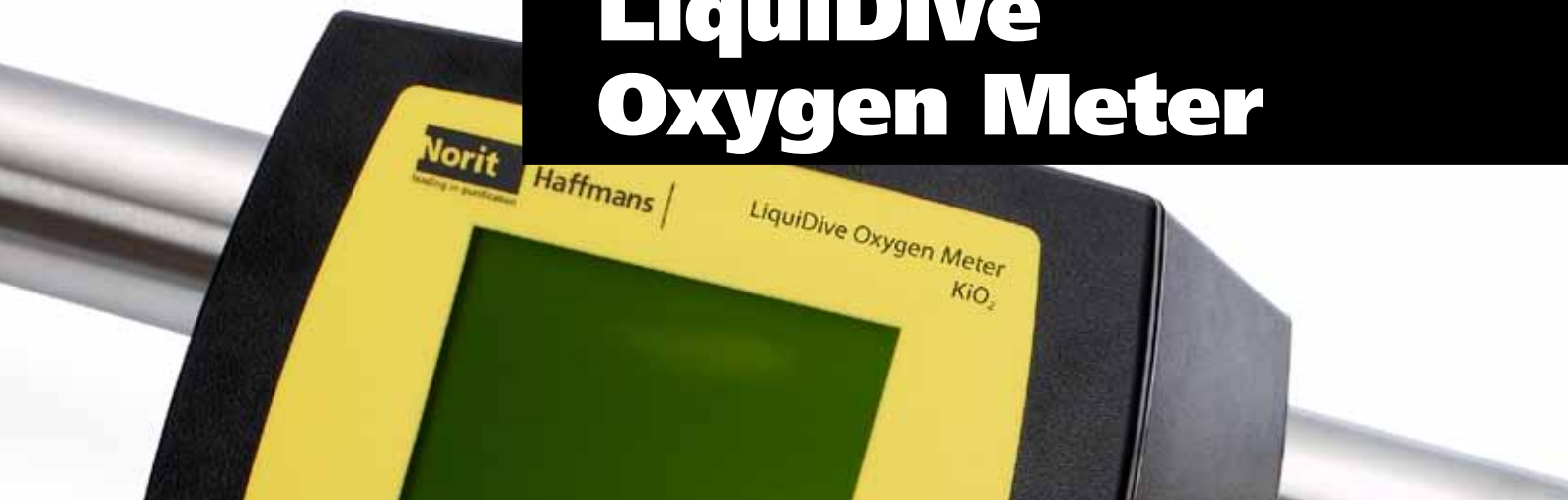


LiquiDive Oxygen Meter



LiquiDive Oxygen Meter

General product information

In today's marketplace businesses must find ways to grow in a sustainable manner while keeping an eye on protection of natural resources and the environment.

In the wastewater treatment process maintaining an optimum oxygen content (DO) in the aeration basin is crucial. This is because the oxidation process requires O₂ to feed the aerobic microorganisms so they can efficiently turn organic wastes into inorganic by-products.

The LiquiDive O₂ Meter, type KiO₂, measures the dissolved oxygen content (DO) of wastewater and provides the key parameter in efficient and economical operation of a wastewater plant. Combined with an automated aeration system, a reduction in energy consumption of more than 50 percent can be achieved.

The O₂ measurement is based on the proven optical technology that combines high accuracy with an excellent measuring stability. It is not effected by chemicals typically found in wastewater.

The submersible O₂ probe is calibration-free during one million DO measurements. The self diagnostic system automatically signals once this number has been reached.

The KiO₂ is designed for outdoor operation. Both the control unit and O₂ probe meet IP-68 requirements. The robust O₂ probe is made from stainless steel to withstand the harsh conditions of wastewater and is easy to clean.

The user friendly control unit can be supplied in either field or panel mounting versions and a maximum of two O₂ probes can be connected to each control unit.



KiO₂

LiquiDive Oxygen Meter



Benefits

- Cost saving
 - efficient and economical operation of wastewater plant
 - maintenance and calibration-free
- Accurate process control
 - measurement data storage

Application

- DO measurement in wastewater, water treatment, water monitoring and fishfarming

Technical Data

Control Unit

Power supply	85-264 V / 50-60 Hz (optional 24 VDC)
Dimensions	175 x 175 x 110 (LxWxH mm)
Mounting	wall mounting/panel mounting

O₂ probe

Dimensions	280 x 80 (LxD mm)
Weight	2.8 kg

O₂ sensor

Measuring range

O ₂ Measurement	0.00 - 45.0 mg/l
Temperature	0.0 - 40.0 °C

Accuracy

O ₂ Measurement	<5% of m.v. (in range 0.10 to 45 mg/l)*
Temperature	± 0.1° C

Measuring units	ppm, mg/l	Measuring interval	30 sec.
Process temperature	max. 100 °C		(adjustable from 2 - 999 sec.)
Process pressure	max. 10 bar	Memory capacity	up to 500 measurements
		Protection class	IP-68

* at 20° C

Scope of Supply

- Control unit
- Control unit wall mounting set
- O₂ probe with probe communication cable and (max 15 m)**
- Mains cable**
- I/O cable for analogue output**
- Software (CD + RS cable)
- Instruction manual

Options

- Control unit pipe mounting set (DN 40 - DN 125)
- Weather protection roof
- Control unit with Profibus DP
- O₂ sensor support**
- Certificate of measurement

** Execution to be specified at time of enquiry.

Haffmans BV reserves the right to make changes in the technical specifications at any time.



Haffmans BV

P.O. Box 3150 NL-5902 RD Venlo • The Netherlands

T +31 77 323 23 00 • F +31 77 323 23 23

E info@haffmans.nl • I www.haffmans.nl

Please visit our website to obtain information about your local support.

Norit
leading in purification

Haffmans

KiO₂