

# Portable Gas Analyzer for Oxygen



- User friendly with intuitive software
- Waterproof : stainless steel IP65
- Key protected

## Designed for harsh conditions

This portable analyzer complements Dextens oxygen sensors and is designed for off-line or laboratory measurements. Built in stainless steel, this instrument is ideal for harsh conditions in breweries but is also well adapted for on-the-spot measurements in other industries.

It displays fast and precise measurement in both dissolved and gas phases.

## Applications

- Off-line, laboratory
- Dissolved and gaseous applications
- Beverage production
- Semiconductor industry
- Power-steam industry
- Pharmaceutical and chemical industries

## Easy installation and use

- The inlet tube of the instrument can be easily connected to the sample to be measured. The sample flows into the flow chamber of the instrument and come into contact with the sensor membrane.
- A large graphical screen continuously displays real time concentration and temperature.
- Concentration displayed units range from 0.01 ppb to 100 ppm dissolved or 0.5 ppm to 100% gaseous
- System functions and settings configured by keypad buttons. Menu-driven software.
- Real time clock

## Pin-code protected

- Access levels are protected by a pin-code to prevent uncontrolled modifications of calibration and settings

## Easy sensor calibration process

- The sensor calibration process is defined step by step by the software
- One point calibration in air or any user-specified concentration

## Simple Data Management

- Windows software enables to analyze the stored measurements.
- Stored measurements can be downloaded to a PC for analysis by using the RS-232 connection

## Robust

- Stainless steel construction: ideal for measurements in harsh conditions
- Waterproof IP 65



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## Technical Specifications

Power	Input voltage 5VDC, rechargeable battery
Operating conditions	0°C to 45°C / 32°F to 113°F
Enclosure	Stainless steel, IP65 / Nema4X, paint coating
Weight	3.4 kg
Dimensions	(W x H x D) 250 mm x 180 mm x 180 mm
Displayed data	Temperature, concentration, time, date, membrane type, battery status
Dissolved displayed units	ppm, ppb, mg/l Resolution 0.01 ppb
Gaseous displayed units	%-ppm, kPa Resolution 0.01 ppm
Range O2 dissolved	0.1ppb - 200ppm
Range O2 gaseous	0.5ppm (v/v) – 100%
Membrane models	82952, 82956, 82935
Logging	Automatic or manual data storage
Calibration	Single point air calibration and direct calibration
Digital outputs	RS 232
Sensor options	Oxygen sensor 51101

## Measurement

Membrane model number	82956	82952	82935
Measuring range DO2	0.1ppb – 20ppm	1ppb – 100ppm	10ppb – 400ppm
Measuring range PO2	0 - 4 bars	0 – 2 bars	0 – 10 bars
Liquid flow rate	180 ml/min	50 ml/min	25 ml/min
Linear flow	200 cm/sec	30 cm/sec	20 cm/sec
Gaseous flow rate	0.005 – 3 l/min	0.005 – 3 l/min	0.005 – 3 l/min
Response time (90% at 25°C)	7.2 sec	38 sec	2.5 min
Accuracy	1% of the measured value or lowest value whichever is greater Absolute zero and low drift		

## Content of whole unit

62101	O2 Portable instrument with Derlin flow chamber, RS 232 output
51101	Electro-chemical oxygen sensor, stainless steel
87410	O2 sensor maintenance kit

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