

Portable Gas Analyzer for Ozone



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

Designed for harsh conditions

This portable analyzer complements Dextens ozone sensors and is designed for off-line or laboratory measurements. Built in stainless steel, this instrument is ideal for harsh conditions and on-the-spot measurements in various industries.

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

Applications

- Off-line, laboratory
- Dissolved and gaseous applications
- 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



Dextens

Portable Gas Analyzer for Ozone

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 O3 dissolved	0.1ppb - 200ppm
Range O3 gaseous	0.5ppm (v/v) – 100%
Membrane models	82952, 82956
Logging	Automatic or manual data storage
Calibration	Single point air calibration and direct calibration
Digital outputs	RS 232
Sensor options	Ozone sensor 53101

Measurement

Membrane model number	82956	82952
Measuring range DO3	0.1ppb – 50ppm	20ppb – 400ppm
Measuring range PO3	1Pa - 10 kPa	4Pa - 40 kPa
Liquid flow rate	350 ml/min	100 ml/min
Linear flow	30 cm/sec	10 cm/sec
Gaseous flow rate	0.01 – 3 l/min	0.01 – 3 l/min
Response time (90% at 25°C)	30 sec	6 min
Accuracy	1% of the measured value or lowest value whichever is greater Absolute zero and low drift	

Content of whole unit

62300	O3 Portable instrument with Derlin flow chamber, RS 232 output
53101	Electro-chemical oxygen sensor, stainless steel
87410	O3 sensor maintenance kit

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