OPSIS®

Internationally Approved
EN 15267 Certified

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Continuous Emissions Monitoring
and Process Control

O2000N Oxygen Analyser

Atut Sp. z o.o.
ul. B. Prusa 8, 20-064 Lublin
tel./fax: 081 740 33 45
e-mail: info@atut.lublin.pl
www.atut.lublin.pl

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Continuous Emissions Monitoring
and Process Control

O2000N Oxygen Analyser

The OPSIS O2000N oxygen analyser is designed for measuring oxygen in industrial process control and continuous emissions monitoring applications. Since the oxygen analyser measures the oxygen contents in the flue gas directly, there is no need for sample extraction systems.

The standard product package includes an analyser and a probe with a 10 m connection cable.

FEATURES

The analyser contains an embedded microcontroller for fast and easy operation. It is user friendly with a 4 × 20 characters OLED display.

Other key features are:

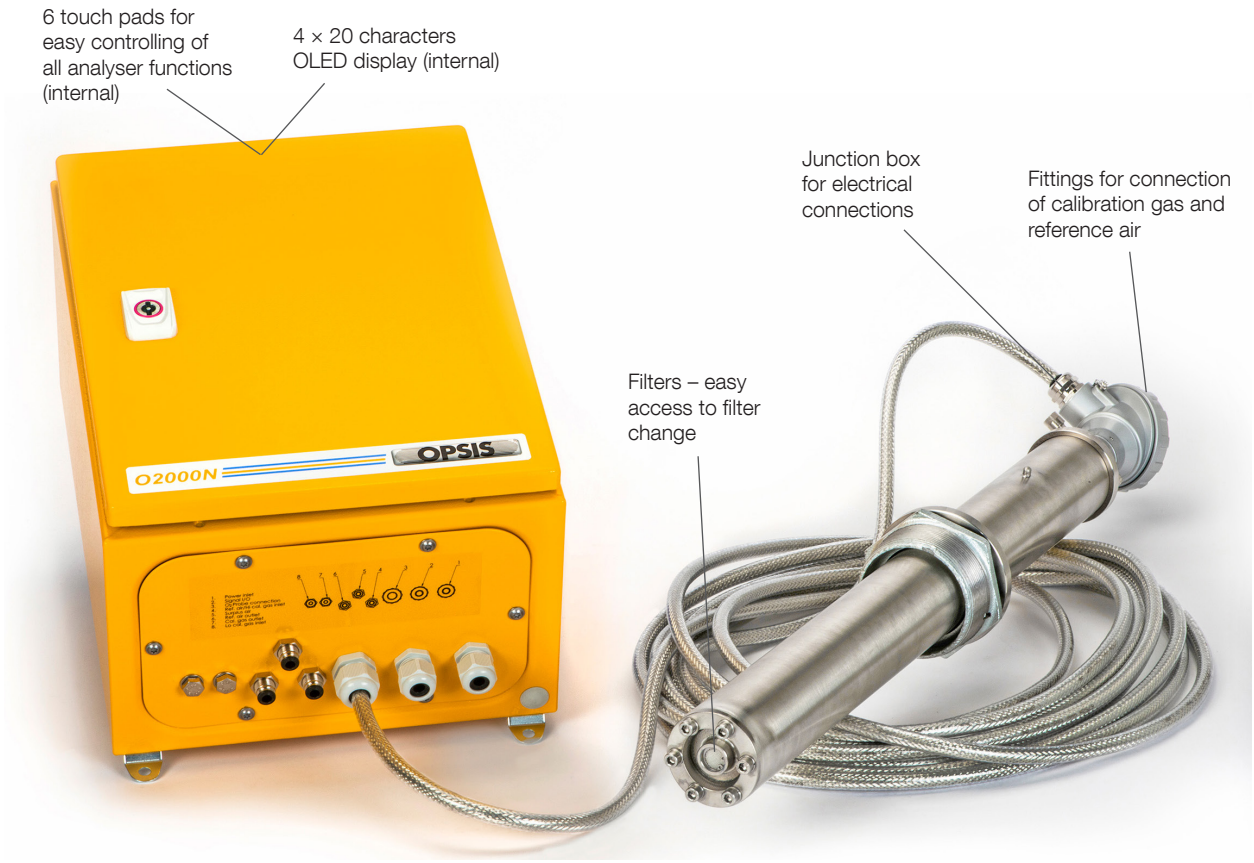
- Built-in diagnostics of probe and analyser
- 100–240 V_{AC} Operation
- High and low O_2 alarm output
- System failure alarm
- Soft start of probe heater
- Active temperature regulation of probe
- Dual range isolated analogue output
- Modbus communication

EXAMPLES OF OPTIONS

Several options are available such as:

- Extended length of the probe
- High temperature kit for process temperatures up to 1 800 °C
- Probe designed for very corrosive environments
- Flame arrester to prevent explosion
- Automatic two point calibration with pump
- Automatic two point calibration for compressed air
- Up to 100 m cable length between probe and analyser

The 502N probe



TECHNICAL SPECIFICATIONS: ANALYSER O2000N

Measurement range	0–25 % Vol.
Accuracy	according to EN 15267
Lag time	< 2 sec
Response time	< 5 sec
Warm-up time	< 15 min
Power supply	100–240 V_{AC} 50–60 Hz
Power consumption	< 60 W warm up < 20 W steady state
Dual isolated analogue output	2 x 0/4–20 mA, max. load 500 Ω
Relay output	
High level	4 x 30 V_{AC} 1A,
Low Level	125 V_{AC} 0.5 A
Alarm	
Calibration	
Max. ambient temperature	50 °C
Max. humidity	90 % RH
Enclosure	IP 65
Dimensions (H × W × D)	430 × 300 × 220 mm
Weight	10 kg
Isolated serial interface	Modbus RTU

TECHNICAL SPECIFICATIONS: PROBE 502N

Max. stack gas temperature	600 °C, higher as option
Sensor type	ZrO_2 (Zirconia)
Material	AISI 316 stainless steel
Mounting	3” withworth pipe thread DIN ISO 228
Total length	750 mm, other lengths as option
Insert length	500 mm, other lengths as option
Weight (incl. cable and socket)	5.3 kg (standard version)
Cable length	10 m, longer as option

FACTORY TESTED SYSTEMS
WITH DELIVERY ON TIME.

Continuous Emissions Monitoring and Process Control by OPSIS

Continuous, direct oxygen measurement

Complete system package for easy installation and start-up

Cost-effective monitoring of O_2

Twelve months maintenance interval according to QAL1 certification

Complies with EN 15267 and EN 14181 standards

Well-proven design

Dual isolated current and output

Modbus communication

Automatic two point gas calibration (option)

Operates with a minimum of maintenance

Low energy consumption

Internationally approved

Thousands of systems installed worldwide

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Please contact your OPSIS representative to discuss your particular system requirements, including the compounds you wish to monitor. Specifications subject to change without notice.

OPSIS AB
Box 244, SE-244 02 Furulund, Sweden
+46 46 72 25 00 • info@opsis.se • www.opsis.se

Atut Sp. z o.o.
ul. B. Prusa 8, 20-064 Lublin
tel./fax: 081 740 33 45
e-mail: info@atut.lublin.pl
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