



OXYGEN ANALYZER



The **S24N + OXYBOX'AIR** oxygen analyzer has been developed to be used in conjunction with pollutant emission monitoring systems.

By design, the analyzer operates on a sampling circuit under vacuum or pressure. The entire sensor assembly can be maintained at a high temperature (up to 200°C) to prevent the formation of cold spots.

The **S24N + OXYBOX'AIR** model is characterized by its simplicity:

- Easy implementation thanks to the absence of reference air (MicroPoas®¹).
- Ease of use with access to all functions via its dedicated software.
- Easy maintenance thanks to the product's design.

1 ANVAR/CNRS/University of Grenoble patent.

• STRENGTHS OF S24N

- Combustion and incineration control
- Integrated MicroPoas® technology
- Sensor capable of being heated above dew point temperatures

• STRENGTHS OF OXYBOX

- Simple and cost-effective
- Compatible with all SETNAG sensors
- Easy integration of my oxygen measurement



• TECHNICAL DATA



MEASUREMENT PRINCIPAL	MicroPoas® zirconia probe with internal metallic reference.
OUTPUT SIGNALS	One 4-20 mA analog output proportional to the measured concentration and one RS485 digital output (ModBus protocol).
USB PORT	Oxybox'Air® configuration and real-time data logging.
OUTPUT SCALE	Freely configurable measurement range, from 0.01 to 25% vol. O ₂ .
ALARMS	2 threshold alarms and 1 general fault alarm.
ASSEMBLY	Boitier rail DIN; dimensions : 157 x 86 x 58 mm.
ALIMENTATION	24Vdc - 50/60 Hz - 130 VA.
AMBIENT TEMPERATURE	Oxybox'Air = 0 to 55°C. Sensor = up to 230°C.
STATUS LED	Green for power on, orange for transmitter fault, and red for threshold alarm.
RESPONSE TIME	T90 @1l/mn = 90s.
GAS FLOW RATE	Minimum = 0.5 L/min - Nominal = 1 to 2 L/min.
ACCURACY	2% of the measured value.
PROTECTION RATING	Sensor: IP50; Electronics: IP20.
CONDITIONS OF USE	Humidity: 5 to 90% non-condensing; Temperature: 0 to 55°C.
CERTIFICATION	TÜV QAL1 certification in accordance with EN 15267-3, range from 0.1 to 25%.

This product is supplied as an enclosure package including the Oxybox'Air, its S24N sensor, as well as accessories such as the probe with heated filter, the sampling tube, and the heated line.

OPTIONS

- Atmospheric pressure correction
- Total pressure correction
- Power supply: 230Vac / 24Vdc
- Integration in a sealed enclosure

Please contact us

SETNAG A

