

## OXYGEN ANALYSER



The **JOK'AIR** has been specially designed for measuring the partial pressure of oxygen of reaction mixtures.

Like every **SETNAG** analysers, the **JOK'AIR** works with our zirconia probe MicroPoas®<sup>1</sup>.

The **JOK'AIR** allows:

- Measure and display of the oxygen partial pressure from  $10^{-30}$  to 0,25 atm.
- Transfer data to a PC via an RS232 link.

1 - Patent ANVAR/CNRS/UNIV. Grenoble.

## • ITS STRENGTHS

- Atmosphere control
- Measurement of oxygen partial pressure from  $10^{-30}$  to 0,25 atm
- Short response time
- Quick and easy to use
- Reliability and reproducibility
- Limited maintenance and servicing
- Excellent measurement stability



## • TECHNICAL DATA



<b>MESURING PRINCIPLE</b>	MicroPoas®, zirconia probe with internal metal reference
<b>MEASUREMENT RANGE</b>	$10^{-30}$ to 0.25 atm O <sub>2</sub> *
<b>USEFUL FLOW</b>	From 1 to 12 l/h
<b>REPOSE TIME</b>	MicroPoas <2s
<b>ACCURACY</b>	2% of the measurement
<b>OUTPUT SIGNAL</b>	RS232 protocol proprietary
<b>DIAGNOSTIC</b>	Display of operating parameters, indication of the type of default
<b>DIMENSIONS AND WEIGHT</b>	Rack 19": 482 x 133 x 360 mm – 8 kg
<b>POWER SUPPLY AND CONSUMPTION</b>	115 - 230 Vac – 50/60 Hz – 125 VA
<b>OPERATING CONDITIONS</b>	Temperature: 0 to 55°C Humidity: 5 to 90% non-condensing

\*Measuring traces of oxygen with a zirconia probe is tricky because the presence of traces of impurities such as combustible compounds can create instability. This is particularly true in the  $10^{-8}$  to  $10^{-12}$  atm O<sub>2</sub> range. The use of buffered mixtures makes it possible to generate reducing atmospheres in a controlled manner.

## OPTIONS

- Mass flowmeter
- RS485 ModBus protocol

*Please contact us*

Supplied with:

- RS232 cable
- Power cable
- Windows data acquisition software

