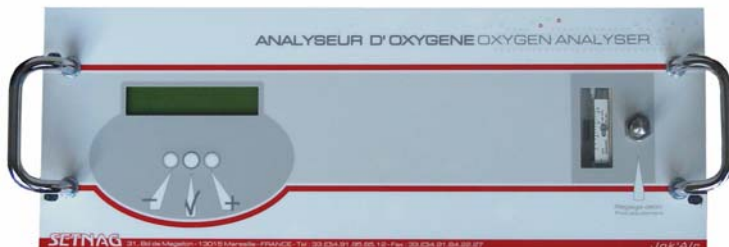


# JOK'AIR

## Oxygen analyzer



JOK'AIR is a very versatile analyzer which is useful in a large field of activities: gas production, waste incineration, basic research ...

Few models of JOK'AIR are available, with different working scales and measurement principles:

- **JOK'AIR:** from 0.01 to 25% O<sub>2</sub>, used for combustion monitoring .  
Measurement principle: MicroPoas<sup>1</sup>.
- **JOK'AIR-2060:** from 10<sup>-35</sup> to 0.25 atm O<sub>2</sub> ,  
used for measuring partial pressure in special atmospheres.  
Measurement principle: MicroPoas<sup>1</sup>.
- **JOK'AIR dual:** from 10<sup>-35</sup> atm to 100% O<sub>2</sub>,  
used for verifying gases purity.  
Measurement principle: uses alternatively both MicroPoas<sup>1</sup> and a paramagnetic sensor.

<sup>1</sup> Patented design (University of Grenoble – France)

- **Control of combustion and of special atmospheres.**
- **1 or 2 measurement channels, depending on the model.**
- **Very fast response time.**
- **From 0 to 100% O<sub>2</sub> and/or from 10<sup>-35</sup> to 0.25 atm, depending on the model.**
- **User-friendly, fast setting.**
- **Almost maintenance-free and low servicing requirements.**
- **Extremely high reliability**

# TECHNICAL SPECIFICATION

Measurement principle	<ul style="list-style-type: none"> <li>• MicroPoas<sup>1</sup> (document ref.S101GB), zirconia sensor with a built-in metallic reference</li> <li>• paramagnetic sensor with thermostat</li> </ul>
Range	<ul style="list-style-type: none"> <li>• 10<sup>-35</sup> to 0.25 atm O<sub>2</sub></li> <li>• 0 to 100% O<sub>2</sub></li> </ul>
Flow rate	<ul style="list-style-type: none"> <li>• MicroPoas<sup>1</sup> : from 8 to 12 l/h</li> <li>• paramagnetic sensor : 18 l/h</li> </ul>
Response time	<ul style="list-style-type: none"> <li>• MicroPoas : &lt; 2s.</li> <li>• paramagnetic sensor : &lt; 2s.</li> </ul>
User-friendly operation	Display of operation parameters, error messages
Output signal	<ul style="list-style-type: none"> <li>• MicroPoas : 0-20 mA or 4-20 mA, linear signal, with galvanic insulation to be adjusted between 0.01 and 25%</li> <li>• paramagnetic sensor : 0-20mA or 4-20 mA, linear signal, with galvanic insulation between 0 and 100%.</li> </ul>
Alarms	2 threshold alarms and 1 general fault alarm
Accuracy	2 % relative
Dimensions	19" rack : 482,5 x 162 x 270 mm table-top : 560 x 220 x 300 mm
Power supply	230 V ± 15% or 110 V ± 15% - 50/60 Hz - 125 VA
Environment	Temperature : 0 to 55°C Humidity : 5 to 90% without condensation
Dimensions and Weight	19" rack : 482,5 x 162 x 270 mm - 8 kg table-top : 560 x 220 x 300 mm - 14 kg

For working on hot gases, JOK'AIR's measurement part can be maintained at a constant temperature (please contact us for details).

## Options

■ RS232 output

■ Circulation pump

■ MicroPoas with lower sensitivity to reducing gases

*Specifications are subject to change – for improvement purposes – without notice.*