

JC24V

SETNAG

# OXYGEN ANALYSER

MODEL : JC24V-M



The oxygen trace analysers model JC24V are designed and manufactured in **France** by **SETNAG**.

These analysers perfectly meet the requirements of manufacturers thanks to their **technicality, reliability, performance** and **service life**.

They integrate the **MicroPoas®** probe, zirconia probe with internal metal reference. This sensor, based on French research, does not require reference gas, which makes it **simple, fast** and **less expensive** to use, increased reliability and completely independent from the external environment.

## .PERFORMANCE

### PERFORMANCES

- Excellent response time
- Touch screen
- Ergonomic and intuitive HMI
- Excellent linearity
- Wide measurement ranges from 0.01ppm to 25%
- Reliability and reproducibility

### APPLICATIONS

- Micro-electronics
- Separation of gases from air
- Nitrogen generator
- Special machines
- Glove box leak check
- Heat treatment furnace ...



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# . TECHNICAL SPECIFICATIONS



<b>MEASUREMENT PRINCIPLE</b>	MicroPoas®, zirconia probe with metal internal reference
<b>MEASUREMENT RANGE</b>	0.01ppm to 25%
<b>FLOW SCALE</b>	1 up to 6 L/h (built-in bypass for fast loop)
<b>RESPONSE TIME</b>	T90 < 2s bypass open
<b>INHERENT ACCURACY LIMITS</b>	< 0.05% of reading
<b>ACCURACY</b>	+/-2% of reading
<b>OUTPUT SIGNALS</b>	One 0 or 4-20ma output linear signal, galvanic isolation
<b>OUTPUT SCALES</b>	Freely configurable over the range (max. 3 decades)
<b>SAMPLE INLET/OUTLET CONNECTIONS</b>	Stainless steel union for tubes 1/8"
<b>MAXIMUM INLET PRESSURE AND TEMPERATURE</b>	3 bars ABS and 110°C (For an outlet pressure between 500 and 2000 mbar abs)
<b>DIAGNOSTIC ASSISTANCE AND UPDATE</b>	Display of operating parameters, error message, indication of the MicroPoas status, 4-20mA output wiring fault detection, visual flow indication. Update the program via the USB port behind the hatch
<b>ALARMS</b>	4 thresholds freely configurable between level, general failure, flow or pressure
<b>POWER SUPPLY AND CONSUMPTION</b>	90 to 264 Vac – 47/63Hz - 47/63Hz - 140 VA
<b>CONDITIONS OF USE</b>	Temperature : 0 to 55°C Humidity : 5 to 90% without condensation
<b>DIMENSIONS AND WEIGHT</b>	200 x 200 x 290mm – 6kg

## OPTIONS

ALSO AVAILABLE AS  
PORTABLE VERSION

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- Second 4-20mA output
- Contact for abnormal flow
- RS485 output
- RS232 output \*
- Pump in a separate housing
- Auto adjustment
- Process pressure adjustment \*\*
- Wider range, beyond 25%
- Automatic commutation of the scale

\*\* For P>2000 mbar

\* instead of RS485 output

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