

# SETNAG JC24V-RP

## Trace Oxygen Analyzer



Equipped with an integrated pump, the JC24V analyzer can perform trace oxygen measurements up to 25%/100%. This analyzer incorporates the MicroPoas® probe, a zirconia probe with an internal metallic reference. This sensor resulting from French research, does not require a reference gas, resulting in a simple, fast and less expensive implementation, increased reliability and total independence of the measurement from the external environment.

- ✓ **Rental from one day**
- ✓ **Technical assistance included**



Zirconia

### TECHNICAL SPECIFICATIONS

MEASUREMENT PRINCIPLE	MicroPoas®, zirconia probe with metallic internal reference
MEASUREMENT RANGES	0.01 ppm at 25%-100%
USEFUL FLOW	1 to 6 L/h (integrated bypass for fast loop)
RESPONSE TIME	T90 < 2s open bypass
INTRINSIC UNCERTAINTY	< 0.05% of reading
ACCURACY	+/-2% of reading
OUTPUT SIGNALS	2 linear 0 or 4-20ma outputs, galvanically isolated. 1 RS485 ModBus protocol output
OUTPUT SCALES	Freely configurable over the measurement range (max. 3 decades)
GAS INLET/OUTLET CONNECTIONS	Stainless steel fittings for 1/8" tubes
INLET PRESSURE AND T°	3 bar abs and 110°C (for an outlet pressure between 500 and 2000 mbar abs)
ALARMS	4 freely configurable alarms between threshold alarm, general fault, flow and pressure
INTEGRATED PUMP	Sampling flow 3 L/min
POWER CONSUMPTION	90 to 264 Vac – 47/63Hz 200 VA
OPERATING T°	From 0 to 55°C
HUMIDITY	5 to 90% non-condensing
DIMENSIONS	482.5 x 133 x 320mm
POIDS	12 kg

### KEY POINTS

- Excellent response time
- Touch screen
- Ergonomic and intuitive HMI
- Excellent linearity
- Large measuring range
- Reliability and reproducibility

### APPLICATIONS

- Micro-electronics
- Separation of gases from air
- Nitrogen generator
- Special machines
- Leak test of glove boxes
- Heat treatment furnace

### For more information

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