

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 ...



. TECHNICAL SPECIFICATIONS



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

* instead of RS485 output ** For P>2000 mbar