

JC24V

SETNAG 



OXYGEN ANALYSER

MODELS : JC24V-RP & JC24V-R

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



| | |
|---|---|
| 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 | 2 0 or 4-20ma output linear signal, galvanic isolation 1 RS485 digital output – ModBus protocol optional |
| 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 in front |
| ALARMS | 4 thresholds freely configurable between level, general failure, flow or pressure |
| POWER SUPPLY AND CONSUMPTION | 90 to 264 Vac – 47/63Hz JC24V-R : 150 VA JC24V-RP : 200 VA |
| CONDITIONS OF USE | Temperature : 0 to 55°C Humidity: 5 to 90% without condensation |
| DIMENSIONS AND WEIGHT | JC24V-R : 482.5 x 133 x 320mm – 10kg JC24V-RP : 482.5 x 133 x 320mm – 12kg |

OPTIONS

ALSO AVAILABLE AS
PORTABLE VERSION

PLEASE CONTACT US

- Contact for abnormal flow
- output RS232 *
- Auto adjustment
- Process pressure adjustment **
- Wider range, beyond 25%
- Automatic commutation of the scale

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