

JC24V-H, JC24V-T, and JC24V-TP

Portable oxygen analysers



The JC24V portable trace oxygen analysers - designed and manufactured by SETNAG- meet the requirements of industrial gas producers.

They include SETNAG's unique technology : the MicroPoas® zirconia sensor with built-in metallic reference.

The portable JC24V analysers stand apart, thanks to their high precision, ergonomics, and simplicity:

 High measurement accuracy, thanks to the MicroPoas¹.

 Ergonomic use: graphic touch-screen and intuitive MMI (man machine interface).

 Easy setup with no need of reference gas, and very fast warming-up.

¹ Patented design (University of Grenoble – France)

- **Control of pure gases**
- **From 0.01 ppm to 25% over a single range**
- **Easy and fast commissioning**
- **User-friendly**
- **Excellent response time**
- **Extremely high reliability and high performance**
- **Low cost of ownership**
- **Almost maintenance-free**



Technical features

| | |
|------------------------------|--|
| Measurement principle | MicroPoas ¹ Zirconia sensor with built-in metallic reference |
| Scale | 0.01 ppm to 25% O ₂ |
| Response time | T90<2s open by-pass |
| Flow in the measurement cell | 1 to 3 l/h, built-in bypass for fast loop |
| User-friendly operation | Display of operation parameters, of error messages, and indication of MicroPoas ¹ status. |
| Precision | 2% relative |
| Conditions of use | Humidity: 5 to 90% without condensation Temperature: 0 to 55°C |
| Power supply and consumption | 90 to 264 Vac - 50/60 Hz – 140 to 200 VA |

3 versions of portable analysers are available :

- JC24V-H: bench-top analyser with handle. Dimensions and weight : 290x260x236mm – 6kg.
- JC24V-T : transportable analyser in flight case. Dimensions and weight : 450x300x320mm – 15kg.
- JC24V-TP : transportable analyser in flight case with pump inside.
Dimensions and weight : 450x300x320mm – 17kg.

Options

| Option | JC24V-T | JC24V-TP | JC24V-H |
|--|----------|----------|---------|
| 0 or 4-20mA output | Standard | Standard | Option |
| Second 0 or 4-20mA output | Option | Option | Option |
| 2 threshold alarms and 1 general fault alarm | Standard | Standard | Option |
| RS485 digital output | Option | Option | Option |
| RS232 digital output | Option | Option | Option |
| Inside pump | NA | Standard | NA |
| Total pressure correction | Option | Option | Option |
| Extended range (above 25%) | Option | Option | Option |
| Automatic ranging | Option | Option | Option |
| Contact for abnormal flow | Option | Option | Option |

Specifications are subject to change without notice, for improvement purpose.

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