

## OXYGEN TRACE ANALYZER AND DEW POINT



The JC24V-H<sub>2</sub>O oxygen trace analyzer, designed and manufactured by SETNAG, meets the needs of industrial gas producers.

This analyzer has **2 measurement channels, one for measuring oxygen traces and one for measuring the dew point**, available in a 19" rack version or a wall-mounted version.

It incorporates the unique technology created by SETNAG, the MicroPoas® zirconia probe with an internal metallic reference, and the Easidew sensor from our partner Michell Instruments.

The JC24V-H<sub>2</sub>O analyzer stands out for its precision, ergonomics, and simplicity:

- Measurement precision through the use of the MicroPoas and Easidew sensor.
- User ergonomics: graphical touchscreen and intuitive HMI (human-machine interface).
- Ease of implementation: no reference gas required and very short warm-up time.

### • ITS ADVANTAGES

- Control of pure gases: nitrogen, argon, helium, and CO<sub>2</sub>
- From 0.01 ppm to 25% O<sub>2</sub> in a single range and from -100 to +20°C dew point
- Space-saving: 2 integrated measurements
- Simple and quick implementation
- Response time < 2s
- Excellent measurement reliability
- Reduced maintenance costs
- Made in France



## • TECHNICAL DATA



<b>MEASUREMENT PRINCIPLE</b>	O <sub>2</sub> : MicroPoas zirconia probe with internal metallic reference; H <sub>2</sub> O: capacitive sensor
<b>RANGE</b>	0.01 ppm to 25% O <sub>2</sub> -100 to +20°C dew point
<b>RESPONSE TIME</b>	O <sub>2</sub> : T90<2s with bypass open Dew point: 5min to T95 (dry to wet)
<b>FLOW RATE IN THE MEASUREMENT</b>	1 to 6 l/h, integrated bypass for the fast loop
<b>DIAGNOSTIC AID</b>	Visualization of operating parameters, indication of the nature of the fault, and wear level of the MicroPoas
<b>ACCURACY</b>	O <sub>2</sub> : +/- 2% of the reading Dew point: +/-2°C
<b>OUTPUT SIGNALS</b>	2 output signals 4-20mA freely configurable per measurement channel 1 RS485 output with Modbus protocol
<b>ALARMS</b>	2 alarms with adjustable thresholds over the range and 1 general fault alarm per measurement channel
<b>OPERATING CONDITIONS</b>	Humidity: from 5 to 90% without condensation Temperature: from 0 to 55°C
<b>DIMENSIONS AND WEIGHT</b>	19" Rack - 3U: 482.5 x 133 x 375.5mm - 11 kg Wall-mounted: 200 x 200 x 290mm
<b>POWER SUPPLY AND CONSUMPTION</b>	90 to 264 Vac - 50/60 Hz - 120 VA

## OPTIONS

- RS232 output
- Automatic adjustment
- Integrated sampling pump
- Extended range beyond 25%

*Contact us*

