ATS/D-2020

Oxygen analyser for solvent incinerators

ATS/D-2020 has been specially designed to measure oxygen in solvent incinerators applications. It eliminates all risks of acid condensation.

ATS/D-2020's life overcomes all usual standards in such industrial applications.

Thanks to its very high reliability and easy use, the ATS/D has outstanding qualities:

- Reliable measurement thanks to our unique MicroPoas[1].
- Cost saving because it is an almost maintenance-free equipment.
- Robust system since it has no electromechanical part.
- Easy exploitation, thanks to the self-diagnostic facility of the electronic system.

[1] Patent ANVAR/CNRS/U. Grenoble (France)

- ***Solvent incineration monitoring***
- ***Continuous performance on gases up to 1300°C, depending on the version***
- ***Long lasting equipment***
- ***Our unique technology eliminates cold spots***
- ***User-friendly, fast setting***
- ***Almost maintenance- free***
- ***Extremely high reliability***

Technical specification

Measurement principle	MicroPoas[1] Zirconia sensor with built-in metallic reference
Range	0.01 to 25% O_2
Maximum temperature for the gases to be analysed	1300°C continuously
Minimum speed of gases	0.5 m/sec
User-friendly operation	Display of operation parameters, nature of fault indicated
Display resolution	0.1 % or 0.01 % in case of specific order
Output signals	0-20 mA or 4-20 mA, linear, with galvanic insulation, can be configured between 0.01 and 25 %
Alarms	2 threshold alarms and 1 general fault alarm
Accuracy	2% relative
Materials in contact with gases	304L stainless steel, inconel, Hastelloy® or HR160®, ceramic
Dimensions and weight	Sensor: 300 x 300 x 150 mm (excluding probe tubing) Control unit : 300 x 300 x 150 mm 15 kg
Conditions of use	Humidity: 5 to 90 % without condensation Temperature : 0 to 55 %
Power supply and consumption	230 V or 115 V - 50/60 Hz - 110 VA

Calibration is carried out whilst ATS/D-2020 is operating, and without dismantling any part of the probe. Therefore, the operator can work safely and easily.

This analyser is designed for the incineration of solvents and cannot be used for very dusty or clogging applications.

Options

- Calibration Kit
- Refractory steel or ceramic probe tubing
- Heating of the sensor and heat-insulator

Specifications are subject to change – for improvement purposes – without notice.

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