

ATK/F-2020 oxygen analyser



With a proven efficiency and reliability for over ten years, the ATK/F-2020 is your most trustable partner to monitor combustions.

The ATK/F-2020 can stand the hardest conditions either to monitor classical combustion or waste incineration.

Because its design is optimized for long-term use in industrial conditions the ATK series shows 3 major factors of success :

- Easy setting up without the need of reference air (MicroPoas*).
- Easy to use : 3 keys only give access to all the functions of the control unit.
- Easy servicing.

- *Combustion and incineration monitoring*
- *Continuous performances maintained up to 1300°C.*
- *Semi in situ analysis.*
- *Free circulation of the gases to be controlled.*
- *User-friendly, fast setting.*
- *Almost maintenance-free and low requirement for servicing.*
- *Extremely high reliability.*

*Patented design (University of Grenoble - France)



TECHNICAL SPECIFICATION

Measurement principle	MicroPoas* (Document ref.S101GB), Zirconia sensor with built-in metallic reference
Range	0.01 to 25% O ₂
Maximum temperature for the gases to be analysed	ATK/F-2020 : 700°C continuously ATK/I et H-2020 : 1000°C continuously ATK/C-2020 : 1300°C continuously
Minimum speed of gases	0.5 m/sec
User-friendly operation	Display of operation parameters, nature of fault indicated
Output signals	0-20 mA or 4-20 mA, linear, with galvanic insulation, to be adjusted between 0.01 and 25 %
Alarms	2 threshold alarms and 1 general fault alarm
Accuracy	2 % relative
Materials in contact with gases	ATK/F : 304 L stainless steel ATK/I : inconel ATK/H : Hastelloy® or HR160® ATK/C : ceramic
Dimensions	Sensor : 290 x 135 x 650 mm (standard model, i.e. 400 mm length of penetration) Control unit : 300 x 300 x 150 mm
Power Supply	110 V ± 15% - 50/60 Hz - 110 VA 230 V ± 15% - 50/60 Hz - 110 VA
Weight	10 to 15 kg according to the model

On harsh applications (highly corrosive and/or very hot gases), the ATK range analysers can be equipped with removable tubing, easy to exchange for an even easier and low cost maintenance.

Specifications are subject to change - for improvement purpose - without notice

OPTIONS

- Calibration kit
 - Automatic calibration
 - Pressurised tube cleaning system
 - Probe with removable tubing
 - Customized length of probe upon request