

# ATK/F-2020

## Oxygen analysis in flue gases



With a proven efficiency and reliability on a wide range of factory sites for many years, the ATK/F-2020 is your most trustable partner for combustion control and continuous emission measurements.

The ATK/F-2020 can withstand the most severe conditions in classical combustion or waste incineration.

Their great simplicity distinguishes the ATK range analysers:

- Simple setting up with no need of reference air (MicroPoas\*).
- Easy to use: 3 keys only give access to all the functions of the control unit.
- Simple and only little servicing, thanks to their studied design.

- *Combustion and incineration control.*
- *Compliance with QAL1 requirements as AMS.*
- *Continuous emission measurement.*
- *Performance maintained up to 1300°C according to the model.*
- *Semi in situ analysis.*
- *Free circulation of the gases you analyse.*
- *User-friendly, fast setting.*
- *Very low maintenance and servicing requirements.*
- *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 <sub>2</sub>
Maximum temperature for the gases to be analysed (continuously)	ATK/F: 700°C - ATK/I and H : 1000°C ATK/C: 1300°C ATK/T : 120°C
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 % (on specific request)
Output signals	0-20 mA or 4-20 mA, linear, with galvanic isolation, can be configured between 0.01 and 25 %
Alarms	2 threshold alarms and 1 general fault alarm
Accuracy	2 % relative
Probe materials	ATK/F: 304 L stainless steel ATK/I: Inconel® 600 ATK/HR: HR160® - ATK/HC: C2000® ATK/T: Halar® coating ATK/C: Ceramic
Dimensions and Weight	Probe: 290 x 135 x 650 mm (basic model, i.e. 400 mm insertion length) Control unit : 300 x 300 x 200 mm Total weight: 10 to 15 kg according to the model
Operating conditions	Humidity: 5 to 90 % without condensation Temperature : 0 to 55 %
Power Supply and consumption	230 V or 110 V - 50/60 Hz - 110 VA
Certification	NF IE controlled by ACIME under Nr. 379-04/01/01-01. Awaiting MCerts certification

The ATK range analyzers are equipped with detachable probe tubes, easy to exchange for even easier low cost maintenance.

### OPTIONS

- Calibration kit
  - Automatic calibration
    - Pressurised tube cleaning system
      - Tubular back-flange
        - Customized probe length

*Specifications are subject to change - for improvement purposes - without notice.*