

ATK/F -2020

Oxygen analyser in combustion gases



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

Conventional combustion or waste incineration, the ATK/F-2020 can even withstand the harshest conditions.

The ATK range analysers stand out from other systems by their simple design:

- Simple set-up with no need of reference air (MicroPoas^{*}).
- Easy to use: only 3 keys give access to all the functions of the control unit
- Purposely designed to require only simple and low maintenance.

- **Combustion and incineration control**
- **Integrated MicroPoas technology**
- **Continuous performance maintained up to 1300°C, depending on the model**
- **Semi in situ analysis**
- **User-friendly, fast setting**
- **Low maintenance and servicing requirements**
- **Extremely high reliability**



^{*}Patented design (University of Grenoble – France)

Main features


Measurement principle	MicroPoas Zirconia sensor with built-in metallic reference
Range	0.01 to 25% vol. O ₂
Maximum temperature of the gases you analyse (continuously)	ATK/F: 316L stainless steel probe tubes - Tmax = 700 °C ATK/I: Inconel 600 probe tubes - Tmax = 1000 °C ATK/HR: HR160 probe tubes - Tmax = 1000 °C and corrosive flue gases ATK/HC: Hastelloy C2000 probe tubes - Tmax = 600 °C and corrosive flue gases ATK/C: Ceramic probe tubes - Tmax = 1300°C ATK/CS: Silicon carbide outer probe tube - Tmax = 1300°C ATK/T: Halar coated probe tubes -Tmax = 150°C
Minimum speed of gases	0.5m/s
Response time	T90 = 20s
User-friendly operation	Display of operation parameters, nature of fault indicated
Display resolution	0.1% or 0.01% (on 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% of the measurement
Dimensions and weight	Probe : 290 x 135 x 650mm (basic model, i.e. 40mm insertion length) - 4.7 to 5.6 kg according to the model Electronic cabinet: 300 x 300 x 200 mm – 5 kg
Operating conditions	Humidity : 5 to 90% without condensation Temperature : 0 to 55°C
Protection indices	Probe : IP53 – IK05 Electronic cabinet: IP52 – IK05
Power supply and consumption	230 or 115 Vac (optional) - 50/60 Hz – 130 VA


Options

 Calibration kit (1 or 2 gases)

 Automatic calibration

 Back-flushing system

 115Vac power supply

 Customized insertion length

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

Technopole de Château-Gombert
22-26, rue John Maynard Keynes - 13013 Marseille - FRANCE
Tél : +33 (0)4 91 95 65 12 - Fax : +33 (0)4 91 64 22 27
E-mail : contact@setnag.com

setnag.com

SETNAG 
EXPERT ET LEADER EN ANALYSE D'OXYGÈNE