

OXYGEN ANALYSER IN FLUE GASES

MODEL : ATK / F -EUT



With proven efficiency and reliability on a wide range of factory sites for many years, the **ATK/F** is your most trustable partner for the combustion control. Conventional combustion or waste incineration, the **ATK/F** 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 with access to all the functions of the device thanks to a HMI simplified.
- Purposely designed to require only simple and low maintenance

.PERFORMANCE

PERFORMANCES

- 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

APPLICATIONS

- Combustion control in power generation
- Heating operation
- Industrial and household waste incineration
- VOC (Volatile Organic Compounds) incineration
- Industrial kilns



• 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/EK: Kanthal probe tubes – Tmax =1300°C - ATK/T: Halar coated probe tubes -Tmax = 150°C
MINIMUM SPEED OF GASES	0.5 m/s
RESPONSE TIME	T90 = 20s
USER-FRIENDLY OPERATION	Display of operation parameters, nature of fault indicated
OUTPUT SIGNALS	2x 4-20mA output, linear, with galvanic isolation, can be configured between 0.01 and 25%
ALARMS	2 threshold alarms and 1 general fault alarm
ACCURACY	0.5% of the measurement between 1 and 10%, 2% of the measurement over
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 150 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 & CONSUMPTION	230 or 115 Vac - 50/60 Hz – 130 VA

OPTIONS

- Calibration kit (1 or 2 gases)
- Back-flushing system
- Customized insertion length
- Automatic calibration
- Digital output RS485-modbus
- Tubular counter flange or mounting plate
- Digital output RS232
- Four alarms freely configurable