

ATK/EC-2020

Oxygen analysis for secondary combustion

Incineration



Oxygen measurement is very important in secondary combustion: the information is essential to control the waste incineration. SETNAG engineered the ATK/EC-2020 to meet this requirement as there was no analyser available on the market fit for this hard task.

Its cunning design ensures extremely high reliability and availability rate.

The ATK/EC-2020 makes your work easy:

- Simple setting up with no need for any reference air (MicroPoas¹).
- Simple and easy maintenance: you can dismantle all the parts which are in contact with flue gases.
- Easy access to all basic functions.

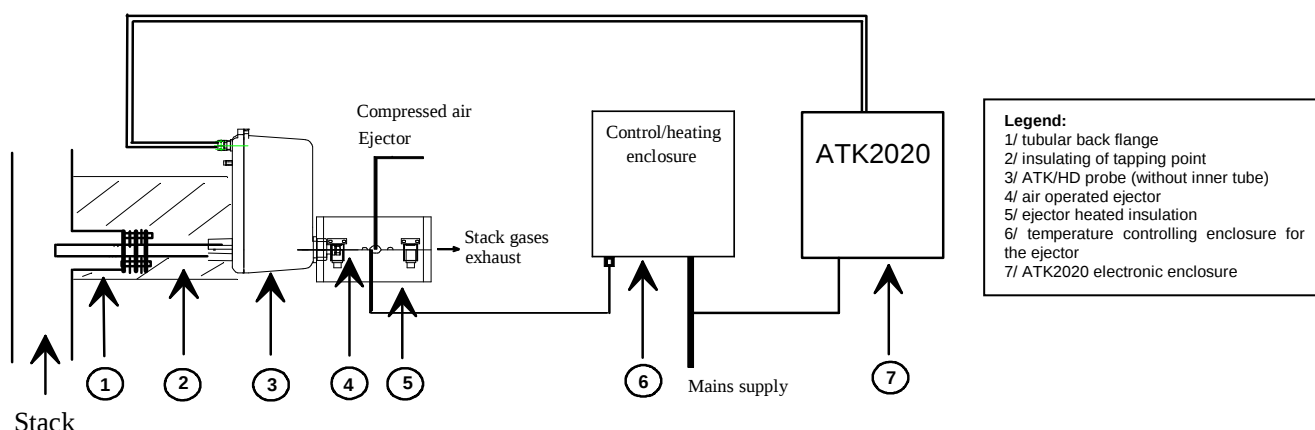
¹ Patented design (University of Grenoble – France)

- **Control at incinerator's second combustion chamber.**
- **Continuous performance maintained up to 1000°C according to the model.**
- **Semi in situ analysis.**
- **User-friendly, fast setting.**
- **Low maintenance and servicing requirements.**
- **Extremely high reliability.**
- **Extremely high availability rate.**
- **Low maintenance cost.**



TECHNICAL SPECIFICATION

Measurement	MicroPoas ¹ (document ref.S101GB), Zirconia sensor with built-in metallic reference
Scale	0.01 to 25% O ₂
Maximum temperature for the gases to be analysed (continuously)	1000°C
User-friendly operation	Display of operation parameter, nature of fault indicated
Display Resolution	0.1% or 0.01% (on specific request)
Output signal	0-20mA or 4-20mA, 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	HR160®
Dimensions and Weight	Probe : 290 x 135 x 950mm (basic model, i.e. 700 mm insertion length) Control unit: 300 x 300 x 200 mm Total weight: 15 kg (basic model)
Operating conditions	Humidity: 5 to 90 % without condensation Ambient temperature: 0 to 55°C
Power Supply and consumption	230 V or 110 V (optional) - 50/60 Hz - 110 VA
Certification	NF IE controlled by ACIME under Nr. 379 -04/01/01-01. MCerts certification pending



Options

- Calibration kit (1 or 2 gas cylinders)
 - Automatic calibration
 - Automatic calibration
 - 115V power supply
 - Customized probe length

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