

OXYBOX'ATK

Draft version

Oxygen analyser in combustion gases



MicroPoas®
by SETNAG

MicroPoas®, high technology for high accuracy measurement and control.

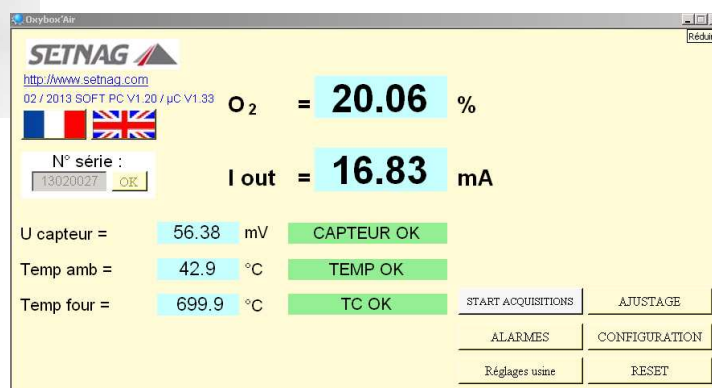
Using the MicroPoas®, means getting the most reliable measurement and mastering maintenance costs.

Zirconia sensor with built-in metal reference: completely independent of the external environment.

No need for a reference gas: easy set-up.

The OXYBOX'ATK oxygen analyser is dedicated to oxygen measurement on natural gas fuelled boilers. Its outstanding features are:

- ✓ Easy set-up: this all-in-one analyser does not require any reference gas, thank to the MicroPoas® technology.
- ✓ Easy to use: computer-driven configuration via USB port.
- ✓ High reliability: the OXYBOX'ATK has been adapted from the ATK/F-2020, a SETNAG analyser which has been produced and proven for over 20 years.



Configuration and data acquisition software run by Windows operating system.

Main technical features

- Maximum temperature of the gases you analyse: 600°C.
- Response time: $T_{90} = 35s$.
- Linearity error: 0.04%vol. O₂
- Effect of the ambient temperature: < 0.001 %vol. / K
- Repeatability: < 0.04 %vol. O₂
- Protection: IP43
- Dimensions and weight: 275x150x650mm and 6.5kg for standard 400mm insertion length.
- Measurement range: 0.01 to 25% vol O₂.
- Output signals: a 4-20mA analogue output proportionnal to the measured concentration, and a RS485 digital output (ModBus protocol).
- USB port: Oxybox'Air® configuration and gradual data recording.
- Output signal can be freely configured over the measurement range.
- 3 alarms: 2 threshold alarms and 1 general fault alarm.
- 24Vdc - 6A power supply.
- Ambient temperature: 0 to 55°C.
- State LED: green for «on», orange for «transmitterfault», and red for «threshold alarm».
- Options: 230Vac/24Vdc power supply on DIN rail, fitting for calibration, 1 or 2 gases calibration kit, flat or tubular counter flange, special insertion length, padded heat insulator.
- Supplied with: 3 meters long USB/USB cable and a USB key containing the configuration and data acquisition software and the instruction manual.



Technopole de Château-Gombert - 22-26 rue John Maynard Keynes - 13013 MARSEILLE - FRANCE

☎ +33 (0)4.91.95.65.12 - Fax +33 (0)4.91.64.22.27 - E-Mail: contact@setnag.com – Web site: www.setnag.com

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