

# Pillard Oxycheck™

## Oxygen analyzer



Ensures fuel-efficiency in industrial burners

- Smart design
- Reliable operation
- Easy maintenance
- Compliant with SIL2

SIL2

# Pillard Oxycheck™ is the latest generation of oxygen concentration analyzers for an optimized combustion process.

Pillard Oxycheck™ is a stable and accurate analyzing probe for a real-time measure of oxygen concentration in combustion flue gas. Pillard Oxycheck™ ensures fuel-efficiency of the industrial burner.

## SMART DESIGN

As a fixed device, Pillard Oxycheck™ analyzer is installed in industrial stacks and connected to the electronics unit by a cable (up to 10 meters).

Pillard Oxycheck™ consists of an electronic unit and a measuring probe, maintaining the integrity of the electronics during the operation. A signal lamp on the electronics unit keeps the operator informed that the electronics are operational when at a distance from the industrial stacks.

## Technical features

Operating temperature	-20°C to +50°C
Storage temperature	-40°C to +80°C
Supply voltage	115Vac or 230Vac / 50-60Hz
Electrical consumption	50VA
Protection rating (EN60529)	IP65
Maximum temperature of flue gas	550°C (900°C in option)
Minimum speed of analyzed gas	0,5m/s
Flue gas intake tube length	500mm (standard)
Dimensions	From 615mm to 2.365mm
Weight	From 8,4 to 12,6kg
O <sub>2</sub> measuring range	0 to 20,9%
Accuracy	2% of full scale
Precision current output	2% of full scale
Standard deviation repeatability	Less than 0,2% O <sub>2</sub>
Linearity	Less than 0,2% O <sub>2</sub>
Response time to the calibration gas	Less than 200 seconds
Output contacts	RT contact 250V-2A
Electrical output (active)	4,20mA on 300Ω max.

Images are for descriptive purposes only, and may be subject to change.

## RELIABLE OPERATION

The zirconium dioxide measuring cell fitted in the sensor ensures no sensitivity interference, thus providing reliable and accurate readings. Pillard Oxycheck™ measures precisely the oxygen concentration thus improving energy performance. It complies with SIL2 certifications, guaranteeing operational safety.

## EASY MAINTENANCE

The unit has a reduced maintenance time with a calibration process every 6 months. Soft cleaning of the sensor and the filter is made easy. The sensor (comprising the measuring cell), is fitted at the probe tip and can easily be withdrawn by unscrewing the sensor.

## CERTIFICATIONS

- IP65, protection rating EN60529
- SIL2, 61508

## OPTIONS

- Tailor-made probe length
- Remote control
- Calibrating kit

## SERVICES

- Commissioning assistance
- 3-year warranty
- Maintenance contract



Calibrating kit