

# Oxygen measuring system Oxystem 250



### Benefits

- In situ measurement directly in the gas duct
- Compact design
- No gas treatment required

### Application

For monitoring combustion and production processes as well as storage facilities and storage containers which require the oxygen concentration to be measured and/or controlled.

### Versions

	Part no.
Oxygen measuring system Oxystem 250 with control unit, power supply unit, oxygen probe	61840
Control unit AWE 250	61843
Oxygen probe GSO 250 K	61841
Power supply unit NTE 12	61842

Blue part no. = in-stock items

### Description

Compact electronic oxygen measuring probe for stationary installation. Consisting of a 100 mm long zirconium dioxide measuring probe with an adjustable screw fitting and control electronics. Inline oxygen measurement without gas treatment. A dynamic O<sub>2</sub> probe based on ZrO<sub>2</sub> is used to acquire the measured values. The probe is calibrated in atmospheric air. No reference gases are required. Due to the compact dimensions, the probe can be easily installed in the flue gas pipe. The probe provides fast and precise measurement results. Oxystem 250 is suitable for flue gas temperatures of up to 300 °C.



## Technical specifications

### Measuring range

O<sub>2</sub>: 0/21 Vol.-%

### Measuring accuracy

± 0.1 Vol.-%

### Operating temperature range

Medium: Max. 300 °C

Ambient: 0/50 °C

### Probe operating temperature

700 °C

### Screw fitting

ø x L: 30 x 100 mm

Connection: G1

Material: V2A

### Display

2-line LC display,

Indication of O<sub>2</sub> value and lambda

### Supply voltage

AC 230 V, 10 VA

### Heat-up time

5 min

### Output

4–20 mA

0–10 V on request

### Housing

Impact-resistant plas-

tic (ABS)

W x H x D: 250 x 185 x 125 mm

Weight: 2 kg

Degree of protection: IP 40 (EN 60529)