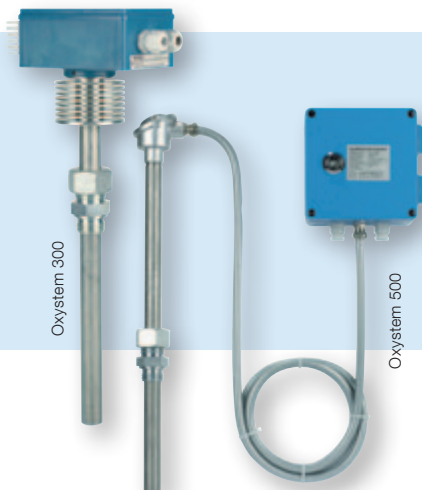


Oxygen probe Oxystem 300/500



- In situ measurement directly in the gas duct
- Compact design
- Fail-safe oxygen sensor
- No gas treatment required
- No test gas for probe calibration 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.

Description Compact electronic oxygen measuring probe for stationary installation. Consisting of a 300 mm long zirconium dioxide measuring probe with an adjustable screw fitting and control electronics. Inline oxygen measurement without gas treatment. A reliable dynamic O₂ probe based on ZrO₂ 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 measuring results. Oxystem 300/Compact is suitable for flue gas temperatures of up to 300 °C.

Version Oxystem 500 with separate electronics in wall mounting housing. Control electronics and zirconium dioxide probe are connected by means of a special 2 m long cable.

Technical specifications

Operating temperature range

Medium: Type 300 max. 300 °C
Type 500 max. 450 °C
Ambient: 0/+50 °C

Measuring range

0.3/24.6 % O₂ by volume
corresponding to: 0.12/10 V

Measuring accuracy

±0.1 % O₂ by volume

Sensor operating temperature

700 °C

Probe pipe (V2A)

Ø 25 mm, L = 380 mm

Adjustable measuring point

75/300 mm

Supply voltage

Selectable: AC 230 V, 10 VA
AC 110 V, 10 VA

Heat-up time until ready for measurement

5 min

Analogue output

0–10 V

Housing

Type 300: Impact-resistant plastic (ABS)
W x H x D: 104 x 170 x 65 mm
Type 500: Sheet steel, lacquered
W x H x D: 165 x 160 x 90 mm
Weight: 2 kg
Degree of protection: IP 40 (EN 60529)

Options

- Output 4–20 mA

DG: E	Part no.	Price €
Oxystem 300/Compact	69549	
Oxystem 500/Wall mounting	69560	
Spare probe Oxystem 300/500, 300 mm long	69556	
Extra charge probe extension by 150 mm	69538	
Extra charge probe extension by 300 mm	69539	
Extra charge probe extension by 450 mm	69540	