



Oxygen measuring system

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.

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_2 probe based on ZrO_2 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_2 : 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_2 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 plastic (ABS)

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

Degree of protection: IP 40 (EN 60529)