

Oxygen analyser Oxystem P paramagnetic



- Proven measuring principle for maximum reliability
- Highly resistant to corrosive gases
- Self-monitoring
- Low maintenance

Application For continuous determination of the oxygen concentration in gas mixtures or process gases, e.g. in corrosive process gases in the chemical industry.

Description The analyser consists of a thermostat-controlled sensor and a control unit in a 19" rack housing, 4 U. The sensor uses the paramagnetism of oxygen and operates on the basis of the thermomagnetic principle. Oxystem is to be operated in conjunction with a gas treatment system. After a heat-up time of 3 hours and horizontal alignment, the analyser is ready for measurements. The analyser is equipped with two contacts for limit values and one contact for system alarms.

Technical specifications

Measuring range

Standard: 0/100 % O₂ by volume
0/21 % O₂ by volume
selectable via the software

Measuring accuracy

± 1.5% of maximum range value – analogue
± 0.1 % O₂ by volume – digital

Operating temperature range

Medium: +5/40 °C
Ambient: +5/45 °C

Supply voltage

AC 230 V, 50/60 Hz, 100 VA

Ready for measurement

Heat-up time: 3 hours

Gas throughput

30/60 l/h

Gas inlet / gas outlet

6 mm Swagelok or 4 mm hose connection

Analogue output

0-20 mA or 4-20 mA (selectable)

Limit values

2 limit values selectable
1 contact for alarms

Display

Four-line, alphanumerical LC display
(oxygen concentration % by vol.).

Housing

19" rack housing 4 U
W x H x D: 178 x 470 x 315 mm
Weight 18 kg
Degree of protection: IP 10 (EN 60529)

DG: E	Part no.	Price €
Oxystem P	69545	
Options		
Corrosion-resistant version, VA/Viton	69541	
Integrated gas pump	69542	
Measuring range < 5 % O₂ by volume	69543	
Wall mounting housing (mounting of analyser included)	69544	