

SERVOMEX 262A

PORTABLE OXYGEN ANALYSER

An extremely reliable and accurate portable oxygen analyser which is suitable for use in numerous applications

SPECIALIST SOLUTIONS

- Reliable, non-depleting paramagnetic measuring cell
- 3 selectable O₂ ranges (0-10%, 0-25%, 0-100%)
- Not cross-sensitive to common gases
- Padded carrying case with shoulder strap
- Spares and service available worldwide



SPECIFICATION

PERFORMANCE

Technology:	Servomex paramagnetic cell
Ranges and meter indication:	0-10%, 0-25%, 0-100% O ₂ selected by front panel switch and indicated on front panel meter
Sample requirements:	Drying tube provided for gases with high humidity. Internal 0.6 micron sample filter protects analyser from particulates
Calibration gases:	Span: Clean, dry air Zero: Pure nitrogen (N ₂) or carbon dioxide (CO ₂)
Intrinsic error:	±3% of full scale deflection (±5% of full scale deflection for 0-10% O ₂ range)
Response time at analyser inlet:	<10 seconds for 90% of step change
Effect of tilt:	0.01% oxygen per degree of tilt from attitude at time of calibration
Effect of ambient conditions:	Ambient temperature: Accuracy will be maintained for a temperature change of 10°C (18°F) within the allowable operating temperature range of -10°C to +50°C (+14°F to +122°F) Barometric pressure: Reading is directly proportional to barometric pressure. Calibration immediately prior to taking a reading minimises barometric pressure effect

PHYSICAL

Dimensions:	W 270mm (10.6") x D 225mm (8.9") x H 200mm (7.9")
Weight:	3Kg (6.5lbs)
Inlet pressure:	13.8kPa (2psig) maximum
Flow rate:	4l/min maximum. More accurate determinations can be observed on static samples
Construction materials:	Sample wetted parts: Viton, type 316 stainless steel, PTFE, acetal copolymer, glass microfibre, nickel, Pyrex, platinum alloy
Analyser case construction:	Polypropylene case is splash-proof and sealed against ingress of water
Carry case:	A water-resistant, padded, cloth carrying case with a shoulder strap
Gas connections:	5mm (0.20") OD tube (push-on)
Power requirements:	Three AA size 1.5V (International battery number LR6) and one PP3 9V (International battery number 6F22) manganese alkaline disposable batteries. NB. Batteries are not supplied with analyser
Battery life:	AA 1.5V - 13 hours, PP3 9V - 20 hours. With intermittent use battery life will be much longer
Environmental limits:	Operating temperature: -10°C to +50°C (+14°F to +122°F)

APPROVALS

Certified by BASEEFA as intrinsically safe, code Ex ia s IIC T4 to SFA 3012, SFA 3009. Certificate BAS No. 74149.

Note: This unit does not meet the requirements of the ATEX Directive, 94/9/EC, introduced July 2003. As such it should not be used in hazardous areas covered by this Directive within the European Economic Area.

CE marked for the European Community "Electromagnetic Compatibility Directive" 89/336/EEC only.

Approved by the Norwegian Maritime Directive (Sjofartsdirektoratet) for use on board ship. Reference letter A-44140/75. AGR/MI dated 24.10.75 applies.

Instruments up to serial number 2983 are approved by "Factory Mutual" for use in Class 1, division 1, groups B,C and D hazardous locations. Report 25243 dated 30.08.75 applies.

The Servomex 262A portable oxygen analyser is an intrinsically safe, lightweight instrument designed to withstand the rigorous use expected in industrial and laboratory applications.

The oxygen content of the gas is indicated directly on a 70mm scale taut band meter after suitable zero and span adjustments. The ranges (0-100%, 0-25% and 0-10%) are selected via a rotary switch on the front panel.

The Servomex 262A is supplied with a replaceable filter, hand aspirator and silica gel dryer, as well as automatic flow device to ensure the sample flow is kept constant, eliminating the possibility of over pressuring the cell.

The basic operating instructions and routine maintenance schedules are provided in the manual in English, French, German, Spanish, Japanese, Russian, Portuguese, Italian, Norwegian and Dutch. Together with symbolic front panel controls, this ensures that engineers from many different nations can understand and operate the unit.

APPLICATION EXAMPLES

- Analysis of head space above oil or petroleum product storage tanks
- Analysis of potentially hazardous areas prior to personnel entry
- Spot checks on process streams and pipelines in the Petrochemical and Gas Industries

SERVOMEX COMPANIES, AGENTS AND REPRESENTATIVES ARE LOCATED THROUGHOUT THE WORLD. YOUR NEAREST CONTACT IS:

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Certificate No. Q05166
BS EN ISO 9001

