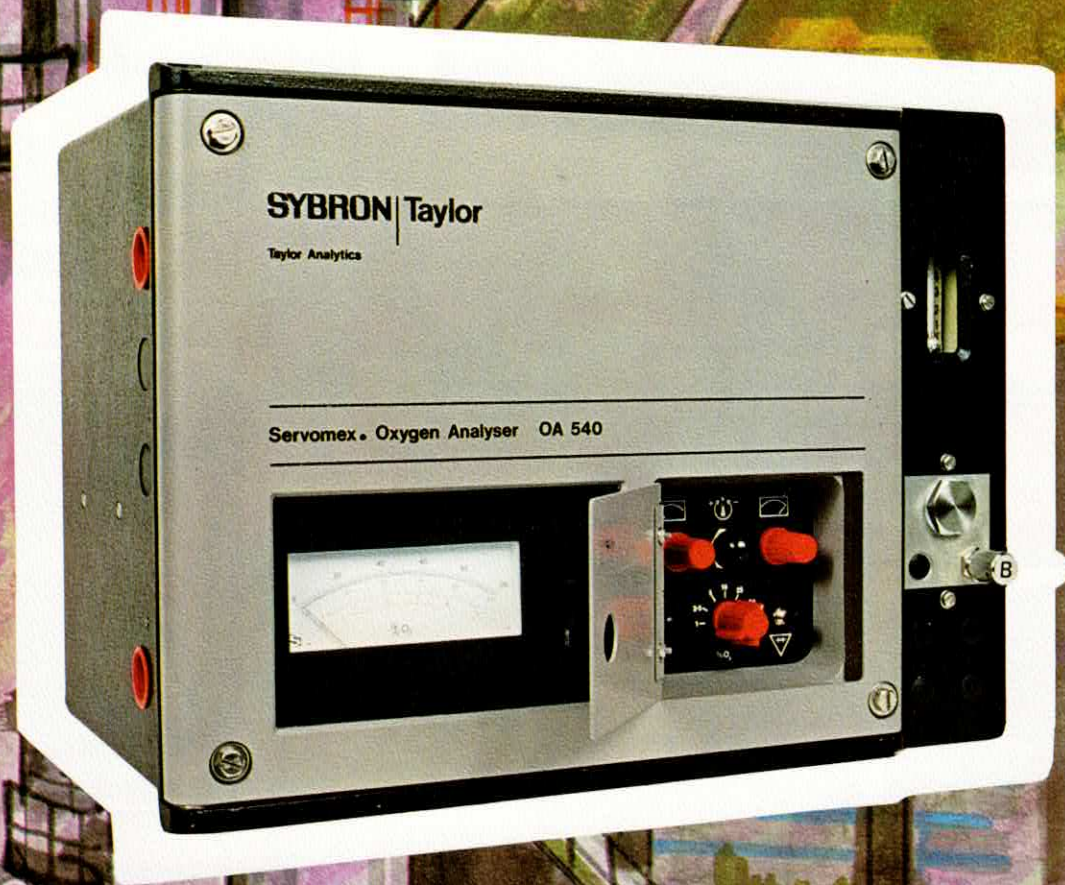


SERVOMEX[®]

Industrial Oxygen Analysers



manotherm b.v.
welplaathoek 20
3197 KP botlek/rotterdam
tel. 0 10 - 16 90 11
telex: 28604 thermo nl

SYBRON | Taylor

Dry
Samples

OA540

SERVOMEX® Industrial Oxygen A

The top of the range OA540/541 series provides an extremely accurate measurement of oxygen. The OA540 analyses dry sample gases with sample gases containing significant moisture.

The wide range of options available with the OA540 provides unparalleled versatility and enable users to meet their specific need to purchase instruments with required features.

Apart from the more standard options such as isolated/non-isolated current outputs, relays, alarms, the following are available.

- Barometric pressure compensation*
- Digital display*
- Range Suppression
- Remote range selection
- Fast response (<3 sec to DV + 90%)*



Oxygen OA565 Trim Control

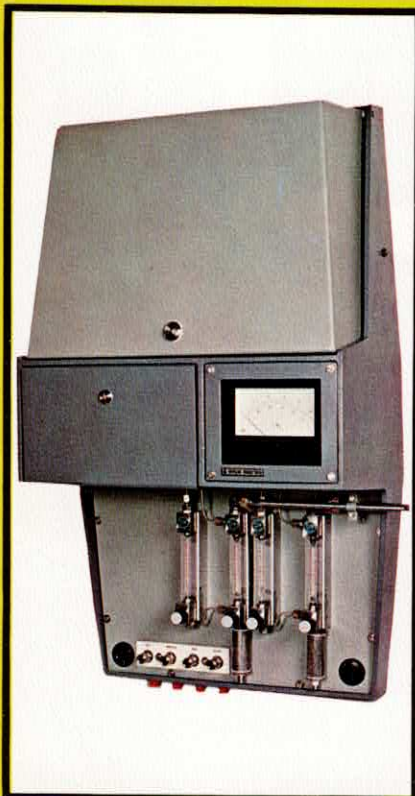


High
Precision

OA184

The OA565 provides a complete control system for monitoring and controlling the combustion process within a boiler to ensure operation at maximum efficiency.

The system comprises a sampling system, oxygen analyser based on the OA500 module, control electronics and electro-mechanical actuator for regulation of air supply to boiler.



The most accurate gaseous oxygen analyser currently available with fully suppressed zero range—capable of achieving a precision of typically 0.01% O₂.

The dual channel analyser can be used in the independent mode for measuring two process streams simultaneously

or in the difference mode for monitoring variations in oxygen level between inlet and outlet streams from a reactor.

In physiological research where highest accuracy, free from variations in barometric pressure or temperature, is required the ratio mode may be used, with specified recorders.

Analysers—Unrivalled for Versatility.

has been developed to provide oxygen levels in most sample streams. whilst the OA541 is suitable for use at levels of water vapour.

h the OA540/541 series provide to obtain significant cost benefits—no redundant features.

of high/low voltage outputs, and Instrument/Flow/Oxygen Level

- Sample pump (for non-pressurised samples)*
- Quick release kit (for rapid calibration)

*Not available on OA541

Oxygen+ **OA369** Combustibles



Developed for use on furnaces and boilers where close control of oxygen and combustibles are required, the OCA369 combines in a single unit an oxygen analyser and a catalytic combustion sensor.

The analyser is designed for use on washed flue gases or process streams with high concentrations of condensable vapours at ambient temperature and pressure.

Wet Samples

OA541



Hot Samples **OA292**

The OA292 is suitable for use with samples having dew points as high as 105C. As it is no longer necessary to cool the sample gas before it reaches the analyser, simplified sampling systems can be used. This allows analysis of the oxygen content of many process streams be made without degrading the sample.



Nominal Specification

	OA540	OA541	OA184	OA292	OA369	OA565
Local Readout	Meter/ Digital	Meter	Meter	Meter	Meter	Meter
Operating Ranges (% O ₂)	0-1 0-2.5 0-5 0-10 0-25 0-50 0-100	0-1 0-2.5 0-5 0-10 0-25 0-50 0-100	0-1 0-2.5 0-5 0-10 0-25 0-100 + Specials	0-2.5 0-5 0-10 0-25 0-100	0-2.5 0-5 0-10 0-25	0-10 0-25
Accuracy (% O ₂) or ±1% of range whichever is greater	0.02	0.02	0.01	0.1	0.05	0.2
Sample Inlet Temperature Range (°C)	-10 to +50	-10 to +50	-10 to +50	-10 to +110	-10 to +45	0 to +40
Response Time (90% readout of step change at input)	6 sec. or 3 sec.	24 sec.	11 sec.	11 sec.	13 sec.	8 sec.
Options:						
Voltage/current output signals	*	*	*	*	*	*
Fast response	*					
Remote range selection	*	*				
Barometric pressure compensation	*		*			
Sample Pump	*					Fitted as Standard
Quick Release Kit (Calibration facility)	*	*	Fitted as Standard	Fitted as Standard	Fitted as Standard	
Instrument Alarm	*	*		*		*
Flow Alarm	*					*
Oxygen Level Alarm	*	*		*		*
Range Suppression	*		*			

The company reserves the right to alter the specification or design without prior notice.

Other products in the Taylor Analytics range include Portable Oxygen Analysers, Process Gas Chromatographs and Viscometers. The company also undertakes the design and manufacture of complex analyser systems.

Sales offices:

LONDON

Victory House, 99-101 Regent Street, London W1R 7HB.

Tel: 01-437 3800.

MANCHESTER

6a Station Road, Cheadle Hulme, Cheshire SK8 5AE.

Tel: 061-486 0105.

REDCAR

Craigton House, High Street, Redcar, Teesside.

Tel: 06493 6125.

Taylor Instrument Analytics Ltd, Division of Sybron Corporation,

Crowborough, Sussex TN6 3DU, England.

Telephone: Crowborough (STD 089-26) 2181. Telex: 95113. Cables: Servomex Crowborough.

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