



OEM Oxygen Transducers 600 Series



For integrated, cost effective oxygen analysis whatever the application

When you need robust and simple measurement of oxygen, the 600 series is the ideal choice.

Designed with the OEM user in mind, the 600 series transducers and monitors can be easily integrated into a wide range of systems. 2 wire, 420mA loop power, a choice of gas connections and inbuilt pressure regulation allows direct connection to the gas sample.

Field calibration and range changes are fast and easy using the 3 button keypad, or via RS485 for networked sensors.

The 600 monitors provide many additional functions including alarm set points, 4-20mA re-transmission and RS232 communications.

Applications

- **Glove Boxes**
- **Inert Enclosures**
- **Nitrogen Generators**
- **Gas Shrouding**

With a 600 transducer you get

Simple Connection

Single gas inlet with choice of fittings to connect directly to the process.

Inbuilt Pressure Regulation

Choice of pressure ranges or ambient operation - You specify for your application

Calibration On-site

Simple calibration using the 3 button keypad.

Field Programmable Ranges

Choice of ranges from 0-1000 ppm to % levels at the touch of a button.

Easy to Read Display

The compact monitors with a bright LED displays eliminate reading errors.

Remote Monitoring

By using the monitors analogue outputs or RS232/485 interfaces, you can relay the results to another location such as a control room, or main control panel.

Long Life Sensors

Up to 3 years for ppm sensors, 5 years for % models

Low Running Costs

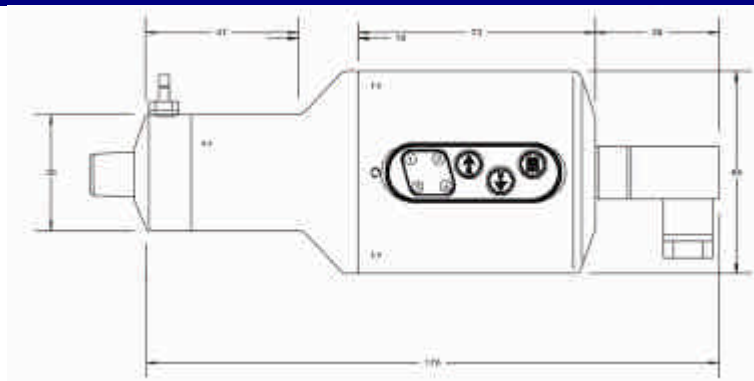
The 600 series use maintenance free, galvanic fuel cells.

Simple to replace with one Allen key.

For OEM oxygen requirements;

The Series 600 is the Right Answer.

SERIES 600 Dimensions



All dimensions in mm

Technical Specification	Sensor	Monitor
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Measurement Ranges, ppm variant:	0-100ppm*, 0-1000 ppm, 0-1%, 0-25% (for air calibration)	As per sensor
% variant:	0-1%, 0-10%, 0-25%, 0-100%	- ditto -
	* range provided for indication only.	
Accuracy:	± 2% of FSD at 20°C	- ditto -
	± 5% of FSD over temperature range	- ditto -
Resolution:	0.1% of range or better	- ditto -
Response time:	90 % of reading (T90) less than 30 seconds	
Display type:		4 digit High Visibility LED
Signal Outputs:	4-20mA (2 wire) or RS485	See Options

OPERATING CONDITIONS


Sample Inlet Pressure:	Ambient, 0.02-0.25, 0.2-1.5, 1-5, 2-10 BarG (inbuilt pressure regulation)	
Sample Flow Rate:	internally set at 20-100 ml/min	
Ambient Temperature:	0 to +50 °C	
Sample Connections:	1/4" OD, 6mm OD, 1/8" OD, 1/4" BSPT or 1/4" NPT	
Communications:	RS485	RS232/485
Suitable gases:	Inert gases, N ₂ , Ar, H ₂ , O ₂ , SF ₆ , He.	

POWER REQUIREMENTS

Power Requirements:	15 to 35V DC (powered from monitor, if used)	230/115 VAC (link selectable)
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CABINERY AND MOUNTING

Enclosure:	316 stainless steel	Flame retardant ABS plastic
Installation:	Bench, panel, wall or 19" rack mounted	Panel mount
Dimensions:	See above	96(W) x 48(H) x 147(D)
Panel cutout:	n/a	92 x 45mm
Weight:	0.9 Kg	0.45 Kg
Ingress protection:	IP66 (NEMA 4X)	IP53

Certification:	 Analysers and monitors conform to the following European Directives: Electromagnetic Compatibility Directive 89/336/EEC Low Voltage Directive 73/23/EEC
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OPTIONS

Signal outputs:	RS232 communications 0-5/0-10V, 0/4-20mA, programmable
Alarms:	Dual alarm, programmable with volt free C/O contacts,
Seal:	IP65 seal option



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