

# Oxygen Analysers

Economical Solution

Helps Achieve Optimum Fuel Efficiency



For Solid fuel applications



For Oil & Gas fuel applications

Features	Details	Benefits
<b>Proven Zirconia Technology</b>	<ul style="list-style-type: none"> <li>• Best technology to measure flue gas oxygen</li> </ul>	<ul style="list-style-type: none"> <li>• Reliable and accurate flue gas oxygen measurement</li> </ul>
<b>Single Point Calibration</b>	<ul style="list-style-type: none"> <li>• Single point calibration with atmospheric O<sub>2</sub> as reference</li> </ul>	<ul style="list-style-type: none"> <li>• 100% onsite calibration possible</li> </ul>
<b>24 VDC Power Supply</b>	<ul style="list-style-type: none"> <li>• 24 VDC source from control panel</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced earth issues &amp; zero cross over Issues w.r.t 220/110 VAC operated source supply to O<sub>2</sub> probe</li> </ul>
<b>Excess Air Computation</b>	<ul style="list-style-type: none"> <li>• Excess air computation to adjust air to fuel ratio</li> </ul>	<ul style="list-style-type: none"> <li>• Fuel &amp; electricity savings by maintaining stoichiometric air for fuel combustion in the boiler/ furnace/TFHs/HAGs/HWGs</li> </ul>
<b>Retransmission Output</b>	<ul style="list-style-type: none"> <li>• 4-20 mA or RS 485 retransmission output options available on request</li> </ul>	<ul style="list-style-type: none"> <li>• Data can be transferred to DCS/ SCADA/BMS locally in the plant.</li> </ul>
<b>Real Time Trends (Advanced Version)</b>	<ul style="list-style-type: none"> <li>• Real time trends for monitoring flue gas oxygen variations</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor the behaviour and take corrective actions</li> </ul>
<b>USB Storage Support (Advanced Version)</b>	<ul style="list-style-type: none"> <li>• Data can be stored in external USB storage</li> </ul>	<ul style="list-style-type: none"> <li>• Data recording &amp; retrieving for analysis</li> </ul>
<b>Ethernet Connectivity (Advanced Version)</b>	<ul style="list-style-type: none"> <li>• Data can be monitored remotely with 4.3" HMI display options</li> </ul>	<ul style="list-style-type: none"> <li>• Mobile app enabled system for monitoring the system with 4.3" HMI Display options</li> </ul>

The Oxy+ Series monitors residual oxygen concentration in the flue gas path of any combustion system or process, thereby reducing harmful emissions & fuel consumption. This series is suitable for small, medium & high capacity boilers, thermic fluid heaters & hot water generators.

## Specifications

<b>Supply Voltage</b>	24 DVC
<b>Output Stabilization Time</b>	200 s
<b>Response Time</b>	90% in < 5 s
<b>Probe Insertion Depth</b>	Upto 350 mm
<b>Oxygen Measuring Range</b>	0 - 25% or 0 – 100%
<b>Repeatability</b>	0.75% of measured value
<b>Accuracy</b>	1% of measured value
<b>Retransmission Output Options</b>	4-20 mA RS 485
<b>Flue Gas Temperature Limits</b>	Upto 255 °C Upto 405 °C

## Installation & Maintenance

- Route Oxygen probe cables away from high voltage cables. Avoid VFD/ Frequency convertor cables common routing.
- Use appropriate installing scheme as suggested in user manual.
- Install control panel on comfortable height from ground. Direct subjection of steam, water & sunlight to be avoided.
- UPS power supply is mandatory for the control panel if there's a considerable fluctuation of mains supply.

Sr	Description	Order Code
1	Oxy+ Oxygen Analyzer with 2 Lines, 8 Character LCD-HMI (4-20 mA Output)	Oxy+ 0.1
2	Oxy+ Oxygen Analyzer with 4.3" Touch Screen - HMI (4-20 mA & RS 485 Output)	Oxy+ 0.2
3	Oxy+ Oxygen Analyzer with 30 meter Special Cable and 2 Lines, 8 Character LCD-HMI (4-20 mA Output)	Oxy+ 1.1
4	Oxy+ Oxygen Analyzer with 50 meter Special Cable and 2 Lines, 8 Character LCD-HMI (4-20 mA Output)	Oxy+ 1.2
5	Oxy+ Oxygen Analyzer with 75 meter Special Cable and 2 Lines, 8 Character LCD-HMI (4-20 mA Output)	Oxy+ 1.3
6	Oxy+ Oxygen Analyzer with 30 meter Special Cable and 4.3" Touch Screen - HMI (4-20 mA & RS 485 Output)	Oxy+ 2.1
7	Oxy+ Oxygen Analyzer with 50 meter Special Cable and 4.3" Touch Screen - HMI (4-20 mA & RS 485 Output)	Oxy+ 2.2
8	Oxy+ Oxygen Analyzer with 75 meter Special Cable and 4.3" Touch Screen - HMI (4-20 mA & RS 485 Output)	Oxy+ 2.3

Since 1986, Maxima Boilers has been one of the leading boiler manufacturers in India, focused on providing customers across the world with a wide range of steam solutions. Our Maxima Steam Works division offers complete steam solutions for your plant. Our product range includes:

**Steam Boilers | Solid Fired Boilers | Small Industrial Boilers | Thermic Fluid Heaters | Hot Water Boilers  
Waste Heat Recovery Boiler | Steam Generators | Coil Type Boilers | Steam Accumulators | Pressure Reducing Stations | Temperature Control Systems | Thermodynamic Traps | Piston & Globe Valves  
Steam Traps | Condensate Recovery Systems | Pipeline Accessories | Efficiency Monitoring Systems  
Thermostatic Traps | Ball Float Traps | Pumping Traps | Automatic Blowdown Control Systems**

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