

OxyTrak 390 Ex-Situ Flue Gas O2 Analyzer



Accurate & economical combustion process monitoring

The OxyTrak™ 390 ex-situ flue gas analyzer is ideally suited for measuring unburned oxygen levels in dirty, rugged combustion applications. A diffusion convection loop design provides high levels of accuracy with minimal service or maintenance required.

{tab=Features}

- Zirconium oxide O₂ sensor housed in 700°C furnace for exceptional accuracy and reliability
- Ex-situ convection loop design for simple installation and fast, easy maintenance
- Suitable for temperatures to 1900°C
- Intuitive microprocessor-based controller with configurable display for field programming
- Auto-calibration and auto-verification
- Auto Blow-back feature for use in extremely harsh environments
- Optional platinum-catalyst combustibles sensor measures CO & H₂ for detecting incomplete combustion

{tab=Applications}

The OxyTrak 390 flue gas analyzer measures unburned oxygen levels in dirty, aggressive combustion applications.

- Boilers - all fuels and all types, including marine, recovery and utility
- Furnaces - all fuels and all types, including heat treating, glass and process
- Rotary kilns - ore reduction, cement, alumina processing and others
- Incinerators - industrial, municipal and hazardous waste

{tab=Specifications}

The OxyTrak™ 390 combines state-of-the-art measurement technology with a unique sampling design.

Performance

Accuracy	Oxygen: $\pm 0.1\%$ @0-10% O ₂ ; $\pm 0.2\%$ @10-25% O ₂ Combustibles (Optional): \pm
Repeatability	Oxygen: $\pm 0.05\%$ @0-10% O ₂ ; $\pm 0.1\%$ @10-25% O ₂ Combustibles (Optional)
Output Resolution	Oxygen: $\pm 0.07\%$ Combustibles (Optional): $\pm 1\%$ of full scale
Stability	Oxygen: variation