

**Accurate. Reliable. Cost Effective.**

Emissions Monitoring for Compliance & Process Improvement



## Oxygen Analyzer - Model 1010

### Technology

The Cemtek Model 1010 Oxygen Analyzer provides continuous measurement of oxygen concentrations using Linear Output Zirconium Oxide Technology.

Built within a rugged case, the Model 1010 is ideal for rack mounting in extractive CEMS or for process control in natural gas fired combustion applications.

Utilizing a revolutionary pumped oxygen zirconium oxide cell to measure oxygen concentration, the pumped cell provides truly linear output capable of measuring from 0% to 25% of oxygen without the need for maintaining the 2% oxygen calibration gas normally required for traditional zirconium oxide analyzers.

With its true linear output, full measurement concentration range and ultra stable zero, the Model 1010 is an ideal replacement for paramagnetic technology and standard Zirconium cell.

Available as single or dual channel and fully housed in a low profile (3 inches) 19" rack mount enclosure.



### Features and Benefits

- Advanced Technology Zirconium Oxide Cell
- Simple operation
- Fast accurate O<sub>2</sub> analysis
- Meets or exceeds 40 CFR 60 and 40 CER 75 for accuracy and linearity
- Wet or dry based measurement
- Utilizes Linear Output Zirconium Oxide Technology

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## Product Specifications

<b>Measurement Technology</b>	Zirconium oxide (zirconium, ZrO <sub>2</sub> ) cell
<b>Measurement Range</b>	0 to 25% O <sub>2</sub>
<b>Full Scale Range</b>	Continuously adjustable from 10 to 25% O <sub>2</sub>
<b>Zero Noise</b>	Less than 0.02% O <sub>2</sub>
<b>Zero Calibration Drift</b>	Better than $\pm 0.1\%$ O <sub>2</sub>
<b>Absolute Accuracy</b>	0.2% or better
<b>Span Noise</b>	Less than 0.2 % O <sub>2</sub>
<b>Span Calibration Drift</b>	Better than $\pm 0.1\%$ O <sub>2</sub>
<b>Linearity Error</b>	Less than 1% of high calibration gas value across range from zero to full scale
<b>Response Time</b>	30 seconds max (after warm up)
<b>Voltage</b>	110VAC operation (approximately 15W)
<b>Weight</b>	7 lbs
<b>Interference (sum of all interferences)</b>	Less than 1% of measured value

## Ordering Information

### Model 1010 Oxygen (O<sub>2</sub>) Analyzer

Choose from the following configurations/options to customize your own Model 8010

#### Measurement

W = Wet

D = Dry

*\* Custom application available upon request*

Your Order Code: 1010\_\_

## Service Offering

To ensure trouble free performance and reliability of all Cemtek Instrument products, we offer a comprehensive portfolio of service offerings at fixed cost pricing including; installation, training, support, extended warranty and preventative maintenance.

Visit us at: [www.cemtekinstruments.com](http://www.cemtekinstruments.com)



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