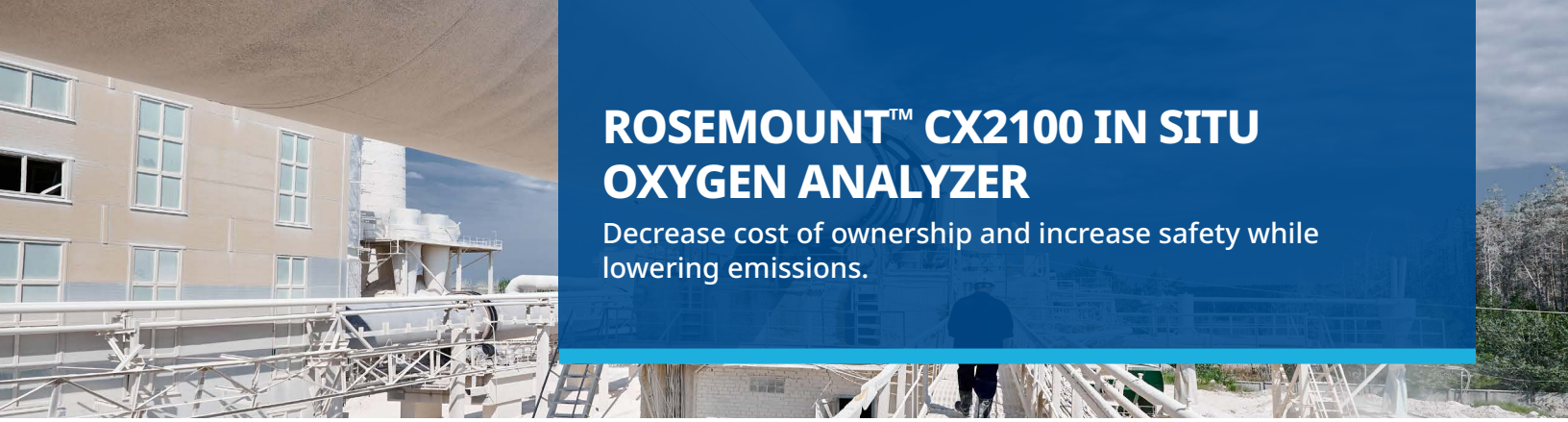


ROSEMOUNT™ CX2100 IN SITU OXYGEN ANALYZER

Decrease cost of ownership and increase safety while lowering emissions.

Longer analyzer life, more efficiency

The Rosemount CX2100 In Situ Oxygen Analyzer utilizes field-proven Zirconia oxide cells and must-have features like the Quick Connect Probe Body, Calibration/Calibration Check, and Flame Safety Interlock to help optimize maintenance and provide a highly efficient, cleaner-burning operation. The CX2100 allows for easy removal of the probe body via the quick connect design that makes maintenance or replacement tasks faster than ever.

- **Quick Connect Probe Body** offers fast replacement or repair without the need to re-wire for faster maintenance.
- **AutoCal and AutoCal Check features** keep technicians off the process and meets local permitting requirements for continuous O^2 measurement (SPS4001B is required for AutoCalibration).
- **Reduce safety risks** with the optional remote display so Instrument Technicians can perform maintenance tasks from up to 300 feet (91 meters).
- **Flame Safety Interlock** automatically turns off the probe heater when a flame out is detected.
- **Accessories for longer life** like the Abrasive Shield that protects the diffuser from particulates, or the Bypass Assembly to cool flue gases before reaching the probe lowers cost of ownership.
- **New flange design** reduces the chance for leaks.
- **Easy to replace Standard Cells** are sulfur resistant, or optional High Sulfur Cells offer increased protection and longer cell life in high sulfur environments.
- **Snubber, Ceramic, and Alloy C-276 diffusers** fit a wide range of temperature applications.



New electronics and Local Operator Interface (LOI) provide easy to read temperature, cell emf, and oxygen concentration at a glance. Choose from Integral or remote interface options.

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ROSEMOUNT™ 2100 IN SITU OXYGEN ANALYZER

Specifically designed to help you burn more efficiently

The Rosemount CX2100 In Situ Oxygen Analyzer is a perfect fit for multiple applications and gives you confidence that you'll have a cleaner burning process.

Specifications	
Measurement Type	Oxygen, Zirconia
Repeatability	±0.75 % of reading or 0.05 % of O^2 whichever is greater from 0-10%, 1% of reading above 10%
Factory-calibrated O^2 Range	0 to 10 %
User-calibrated O^2 Range	Lower range limit (LRL) O^2: 0-10%, Upper range limit (URL) O^2 0-50%
Dimensions	Probe Length Options: 19.7 in (0.5 m), 3.3 ft (1.0 m), 6.6 ft (2.0 m)
Output Signal	4–20 mA

Ambient Temperature Limits

No damage will be done to the display, but repeatability could be compromised at lower temperatures.

	Product operation	LCD display operation
Remote mounting probe	-40 to 194 °F (-40 to +90 °C)	N/A
Remote mount transmitter	-40 to 149 °F (-40 to +65 °C)	-4 to 149 °F (-20 to +65 °C)
Integral mount probe	-40 to 149 °F (-40 to +65 °C)	-4 to 149 °F (-20 to +65 °C)

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Probe, Diffuser, and Temperature Limits

	Process Temperature	Process Mounting
Standard Probe Temperature Limit	-40 to +1300 °F (-40 to +704 °C)	NA
Wall Flange Seal Temperature Limit	-40 to +392 °F (-40 to +200 °C)	NA
Stainless Steel Snubber Diffuser Temperature Limit	Up to +750 °F (400 °C)	Up to +392 °F (+200 °C)
Ceramic Diffuser Temperature Limit	Up to +1300 °F (-40 to +704 °C)	Up to +392 °F (+200 °C)
Alloy C-276 Diffuser Temperature Limit	Up to +1300 °F (-40 to +704 °C)	Up to +392 °F (+200 °C)
Abrasive Shield Accessory Temperature Limit	Up to +1300 °F (-40 to +704 °C)	Up to +392 °F (+200 °C)
Bypass Accessory Temperature Limit	Up to +1922 °F (1050 °C)	Up to +392 °F (+200 °C)
Extended Temperature Control Temperature Linmit (Part of Advanced Features Option, DA2)	-40 to +1562 °F (-40 to +850 °C)	NA

For more information visit: Emerson.com/RosemountCX2100
or contact your local Sales Representative.

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