

OC-200 / OxyProbe

Electrochemical Solid-state

The OxyProbe is a reliable, cost-effective, SIL2-capable sensor approved for use in hazardous areas. This electrochemical solid-state, twin-electrode sensor is designed for in-situ measurement in harsh chemical applications within the Fine Chemical and Pharmaceutical industries. Designed for use with our OxyExtract apparatus, when teamed with our SILO2 oxygen analyzer we offer a IEC 61508 SIL2-capable configuration.



SIL2
Capable

Highlights

- Measurement range 0...25 % O₂
- SIL2-Capable*
- Unique 'wire-break' feature
- Approved for use in both Gas and Dust groups

Applications

- Harsh chemicals
- Pharmaceutical
- Food & Beverage
- Biotech

* When combined with our SILO2 analyzer

Technical Specifications

OC-200 / OxyProbe	
Technology	Electrochemical
Measurement Range	0...25 %
Output Signal	90...250 mV @ 20.8 % O ₂
Pressure Range	950...1050 mBar _{abs} (14...15 psi)
Response Time (T ₉₅)	<20 seconds, typically 12 seconds
Temperature Range	-20...+50 °C (-13...+122°F)
Life Expectancy (application dependent)	Up to 12 months
Humidity	0...95 %rh non-condensing
Process Connection	Option of integrated threaded male fitting or suitable compression gland Via OxyEXtract: 2" Tri-clamp / ANSI 150
Electrical Connection	Single pair cable, IP67 connector
Shelf Life	Up to 6 months
SIL-Capable	Yes
Compliance	
Electrical Safety	
EMC: EN 50270, EN 61000	
Hazardous Area Classification	
ATEX:	IECEX:
II 1 G Ex ia IIC T6 Ga (-20 °C ≤ Ta ≤ +55 °C)	Ex ia IIC T6 Ga (-20 °C ≤ Ta ≤ +55 °C)
II 1 D Ex ia IIIC T ₂₀₀ 135 °C Da (-20 °C ≤ Ta ≤ +55 °C)	Ex ia IIIC T ₂₀₀ 135 °C Da (-20 °C ≤ Ta ≤ +55 °C)

Related Products



SILO2
SIL2-capable Oxygen Analyzer



OxyEXtract
In-line Sensor Base

! CAUTION

Ntron Gas Measurement Ltd. is part of the Process Sensing Technologies Group Ltd. (PST). As customer applications are outside of PST control, the information provided is given without legal responsibility.

Customers should test under their own conditions to ensure the equipment is suitable for the intended application(s).

PST adopts a continuous development program which sometimes necessitates specification changes without notice. For technical assistance or enquiries about other options, please contact:

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