

OxyTx 101

Oxygen Analyser



Intrinsically safe, surface mounted, two-wire loop powered oxygen analyser / transmitter with electrochemical sensor technology for 0-25% oxygen measurement.

Features

- Intrinsically Safe device with an IP66 ABS Housing
- Certified for use in hazardous areas when powered by an intrinsically safe barrier
- ATEX Approved, Certified to EEx ia II C T4, ATEX II 2 G
- Large 4 Digit LCD display for local % O₂ concentration readout
- Analogue 4-20mA Output for retransmission of measured signal
- Non Intrusive user calibration by push buttons

Applications

A Oxygen Gas Detector/Transmitter for use in:

- Chemical Industry
- Pharmaceutical industries
- Food & beverage industries
- Process & Gas generation industries

Overview

The OxyTx 101 is an Intrinsically Safe Fixed Gas Analyser / Transmitter. It is a surface mounted device with a remote plug-in sensor and is suitable for locating within hazardous areas.

The OxyTx 101 is designed to measure Ambient Oxygen in process applications in the range 0-25%.

The OxyTx 101 is suitable for use with the Ntron OC-17, OC-24 and OC-25 range of oxygen sensor. The sensor is remote mounted for ease of use and maintenance.

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Product specifications

Gas Type / Range	Oxygen (O ₂) / 0 - 25%
Sensor Type	Electrochemical Sensor (OC-17 / OC-24 / OC-25)
Sensor Life	2 to 3 years application dependant
Response Time (T90)	<20 seconds
Power Requirements	2-Wire Loop Powered 7-30 VDC (24VDC nominal) via suitable Isolation Barrier if used in Hazardous Area
Mounting	Surface mount by 2 x fasteners (M6)
Display	4 Digit LCD
Environmental Rating	IP66
Operating Humidity	0 to 95% RH non-condensing
Analogue Output	4 to 20mA current loop powered
Resolution	0.1%
Temperature range	-20°C to +40°C
User Interface	4 Push Buttons
Material	ABS with Stainless steel identification label
Dimensions	140mm (h) x 122mm (w) x 75mm (d)
Weight	800 grams
ATEX Certification	ATEX II 2 G EEx ia II C T4

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Application setup



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Ordering information

Product	Sensor Type	Measurement Range	Enclosure Type	Part No.
OxyTx 101	Electrochemical	0 - 25%	Surface Mount	02-238