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NTRON
Gas Measurement

OxyTx 103
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 103 is an Intrinsically Safe Fixed Gas Analyser / Transmitter. It is a surface mounted device with a remote plug-in Oxyprobe OC-200 sensor and is suitable for locating within hazardous areas.

The OxyTx 103 is designed to measure Ambient Oxygen in process applications in the range 0-25%.

The OxyTx 103 is suitable for use with the Ntron OC-200 Oxyprobe 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-200 Oxyprobe)
Sensor Life	24 months
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

OxyTx 103
Application setup

OC-200 Oxyprobe Sensor

OxyTx 103

4-20mA /RS232

Customer's
Control System

OxyTx 103
Ordering information

Product	Sensor Type	Measurement Range	Enclosure Type	Part No.
OxyTx 103	Electrochemical	0 - 25%	Surface Mount	01-222

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