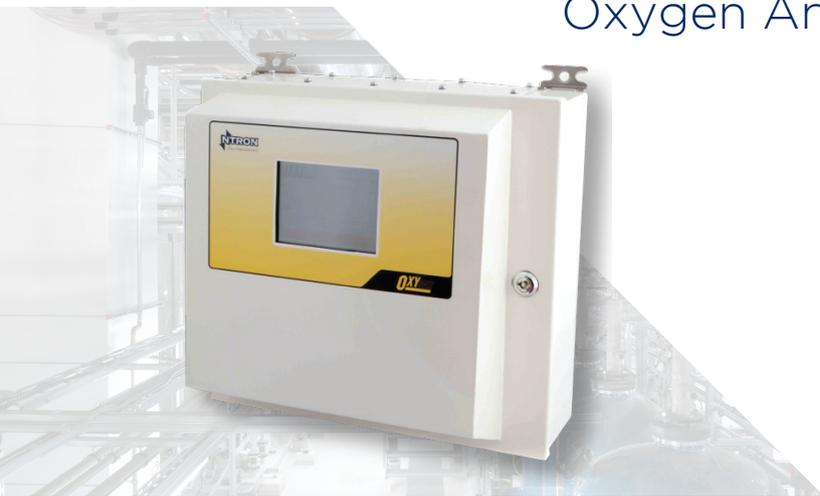**NTRON** Gas Measurement

OxyOne-200
Oxygen Analyser / Inerting System

The OxyOne Oxygen Analyser is a microprocessor based instrument capable of accepting multiple sensor inputs and utilising these inputs to control external user components or alarms based upon user configurable setpoint signal outputs.

Features

- Auto Calibration & Diagnostics LED
- Colour Touch Screen, 5.7"
- Single Sensor Input
- Mode Feature
- Data Logging
- RS232/RS485 Communications

- Password Protected Configuration
- Multiple Digital / Analogue Outputs
- User Configurable Addressable Alarms
- Wall / Surface Mounting
- Range Measurement Commissioning
- Trend of Oxygen Measurement Historically

Product overview

The Ntron OxyOne is designed to interface directly with Ntron supplied Sensors or Sampling Systems, including Sensor and Flow Switch inputs.

The Analyser is also equipped to direct and control the the automatic calibration of each Sensor or Sampling System in an independant manner through the use of remotely located solenoid valves.

All electrical interfacing with the Sensor or Sampling System is made by the user through connection Terminals and Barriers supplied with the Analyser.

The OxyOne has a number of operating modes which are user selectable and include a simulation/commissioning mode that allows the user to test the system and various circuits without having to use test gases or Sensors. A communication port allows high speed configuration and remote diagnostics.
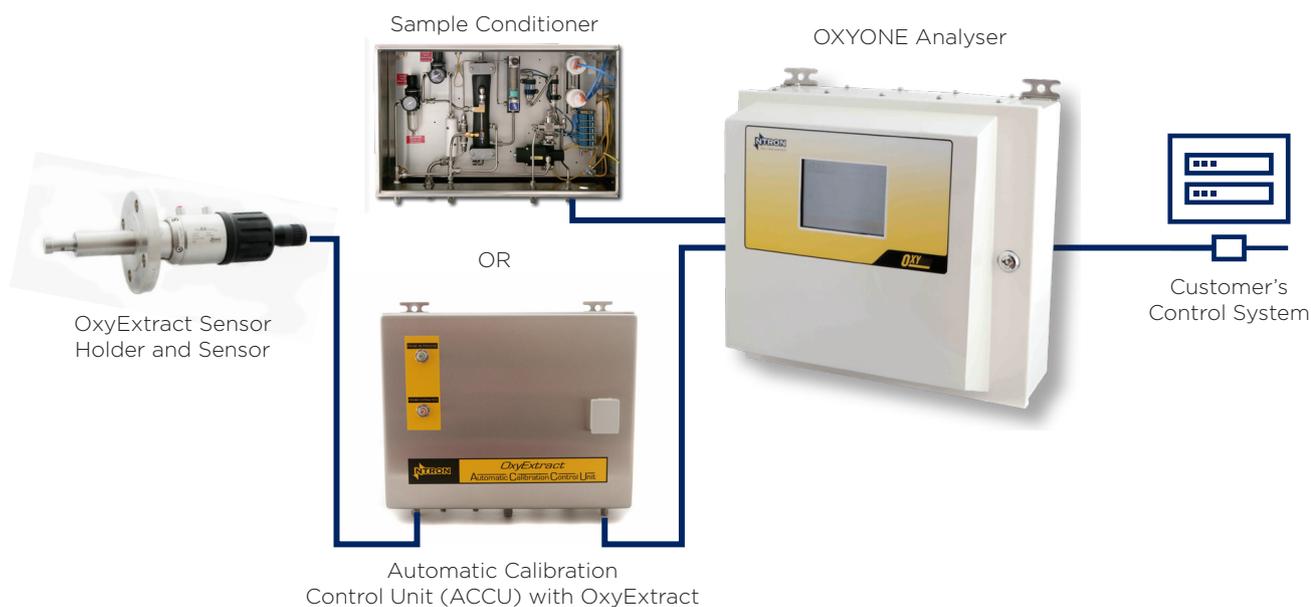
The OxyOne Analyser provides flexibility for use in various applications with the same reliability and accuracy that has been consistent with the Ntron name. These applications include: Reactors, Mixing Vessels, Centrifuges, Mills & Dryers, Vessels & Vent Lines, Ambient Atmospheres, Conveying Systems.

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OxyOne-200 Product specifications

Model	OxyOne Analyser Wall Mounted
Overall size	420mm (w) x 400mm (h) x 210mm(d)
Gas type measured	Oxygen
Range / Resolution	0-10%, 0-25% / 0.1% Oxygen
Power requirements	115 / 230 VAC 50Hz
Electrical Connections	Screw Clamp Terminals 4.0mm CSA Max.
Temperature / Humidity	-20°C to 60°C / 10-95% RH Non Condensing
Display	5.7" Colour Touch Screen
User Interface	Via Soft Keys on Touch Screen
Outputs	6x Relays, 4x Transistor, 2x Analogue 4-20mA, RS232 / 485
Accuracy	+/- 0.1% Oxygen
Calibration	Automatic, Manual or Event
Certification	CE
Memory/Data Storage	SD Card (Removable)

OxyOne-200 Typical Application

Sample Conditioner

OXYONE Analyser

OR

OxyExtract Sensor Holder and Sensor

Automatic Calibration Control Unit (ACCU) with OxyExtract

Customer's Control System

OxyOne-200 Ordering information

Product	Mounting	Oxygen Sensors	Power Supply	Outputs	SD Card	Part No.
OxyOne	Wall	Single	115/230VAC	6 / 4 / 2	YES	02-510

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