





Who we are

We, at Ntron, are proud of the reputation we have developed since our foundation in 1987. We have established ourselves as market leaders in the design and manufacture of oxygen measurement systems for process and people safety, in a wide variety of industrial applications.

Today, Ntron strives to exceed customer expectations by continuous innovation, developing better, more efficient gas analysis and control solutions to help maximize process efficiencies, improve product quality, protect the health and safety of personnel and the environment, as well as, preserve capital equipment and investments.

Our experienced team provides customised solutions across a wide range of sectors internationally. Our goal is to ensure qualitative and efficient oxygen measurement systems for your specific requirements.



Experience in gas measurement for the medical industry since 1987

Ntron design and manufacture medical-use oxygen and gas measuring systems which are essential in monitoring and analyzing gases used in healthcare facilities. Offering dependable and accurate measurement of oxygen, as is required in every patient focused setting,

Medical-use oxygen is used for resuscitation and inhalation therapy and for medical conditions such as COPD, cyanosis, shock, severe hemorrhage, carbon monoxide poisoning, trauma, cardiovascular and respiratory arrest, resuscitation, and life support.

For patient safety, Ntron's medical gases monitors and analyzers are designed to continuously measure the quality of medical-use oxygen, carbon monoxide (CO) and carbon dioxide (CO₂) channelled through the hospital or facility medical gas piping network or anywhere a medical gas outlet is available. These gases must be strictly controlled to comply with current operating standards.

Ntron's medical gas measuring systems are designed to be adapted to your specific needs delivering peace of mind to you, our customer.

Nitrogen gas measurement solutions for medical applications

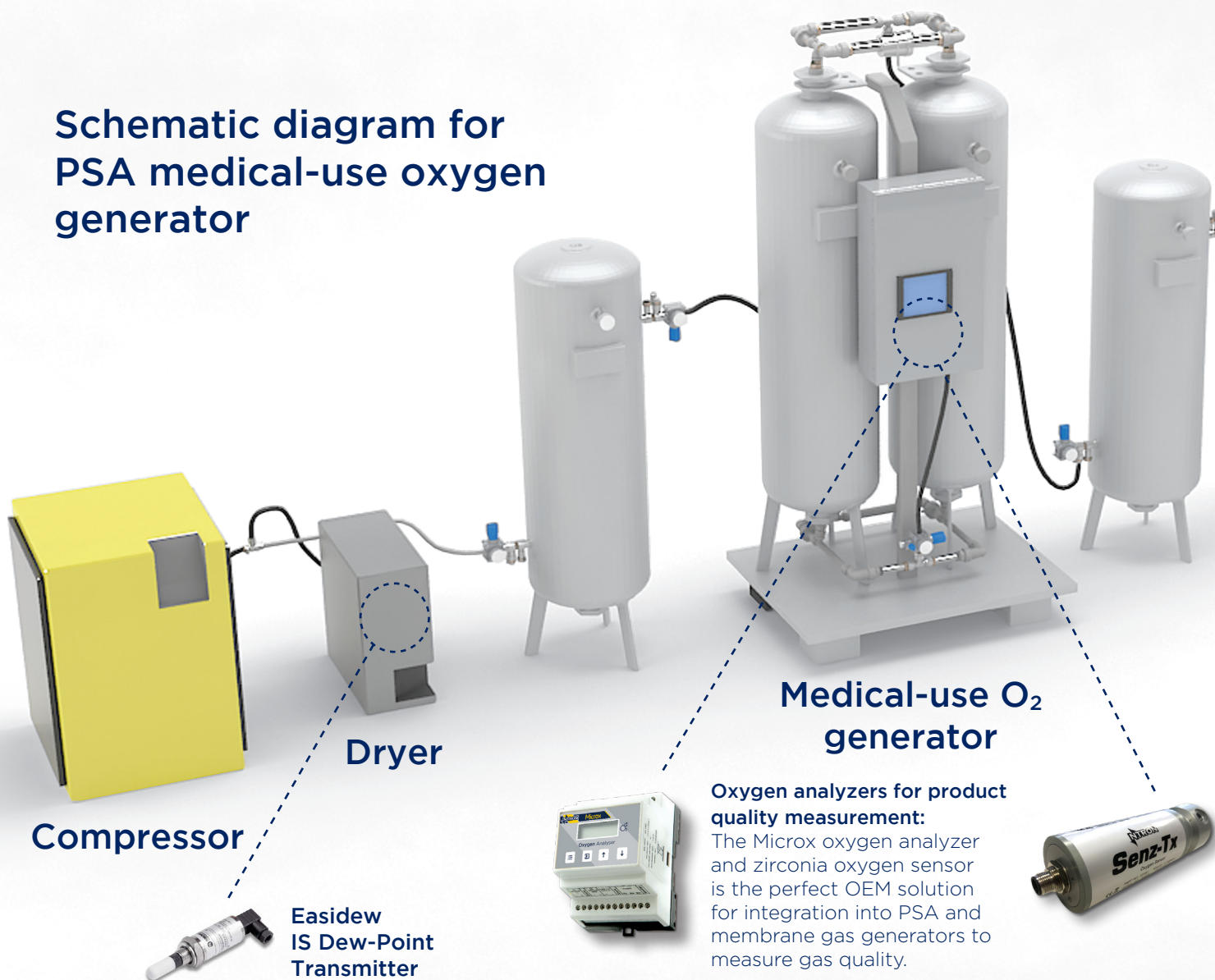
Demand for oxygen generators in medical and industrial markets has grown rapidly due to advances in air separation technology. On-site gas generation offers a cost effective, reliable and safe alternative to traditional nitrogen / oxygen gas supplies, such as cylinder or liquid.

The further development of pressure swing adsorption (PSA) technology has led to a rise in gas generators which are capable of supplying high quality medical-use oxygen at source.



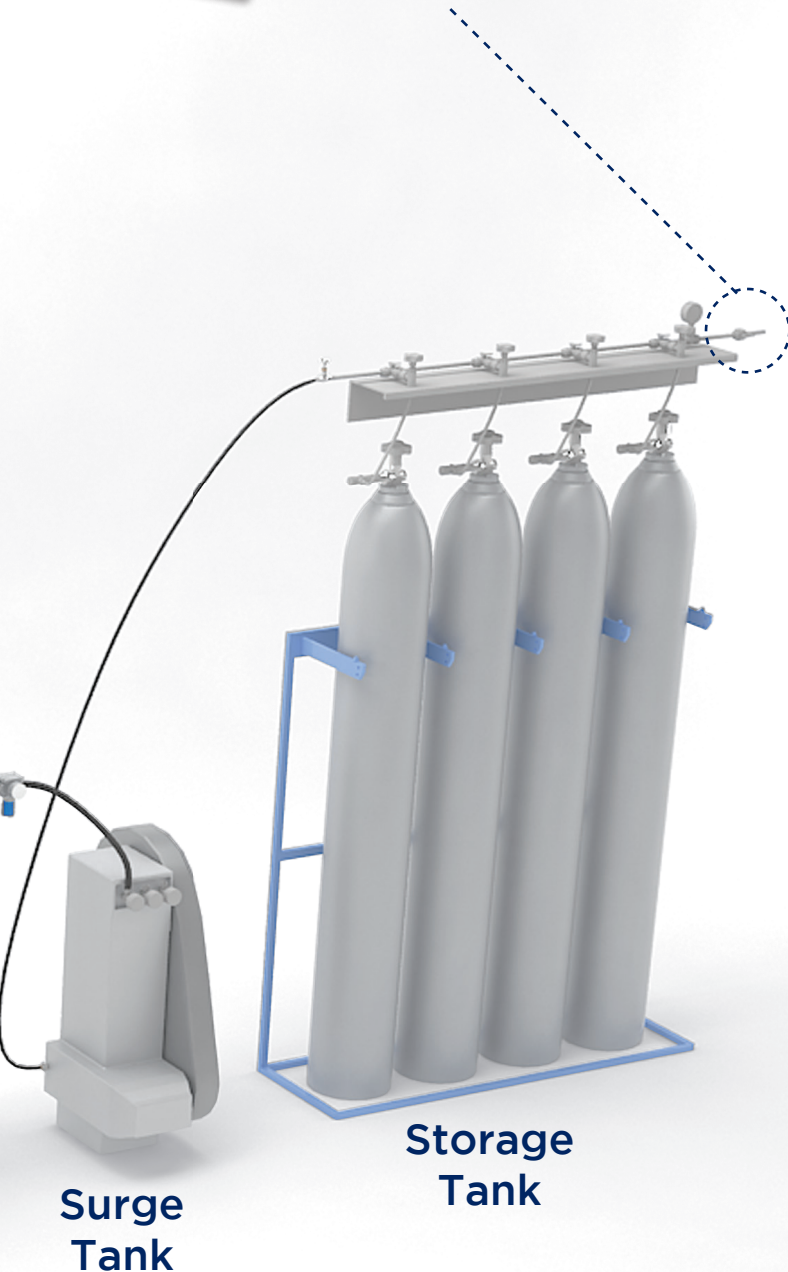
Ambient oxygen analyzers for personal safety monitoring

Schematic diagram for PSA medical-use oxygen generator





MoGas medical oxygen purity monitor:
An online analyzer for the measurement of oxygen, carbon monoxide and carbon dioxide for air separation and gas generation applications.



Surge Tank

Storage Tank

Compact and robust oxygen transmitter:

The SenzTx oxygen transmitter utilises zirconia technology and gives a reliable measurement of oxygen concentration. It features plug & play technology for a hassle-free installation.



With patient safety and care in mind, Ntron has developed a specific line of analyzers for this application.

Our solutions include:



CO and CO₂ analyzer: A dependable analyzer for medical gas applications



Point of use analyzers for product quality measurement: for the measurement of O₂, CO₂ for MAP applications



Dew point measurement: for the measurement of dew point in air and process gases applications



Portability: A portable dew-point hygrometer, offering rapid spot-check measurements of dew point or moisture content in many applications

SenzTx oxygen transmitter

The SenzTx is a compact and robust O₂ transmitter that utilizes zirconia technology to give a reliable measurement of oxygen concentration.

The zirconia sensor offers fast response time and a long service life with virtually no drift.

This analyzer utilizes zirconia technology which has a long calibration interval which is not subject to drift. This sensor operates at 400°C so it is not affected by ambient temperature fluctuations. The zirconia sensor has a sensor life of 3 to 5 years when used within the stated specification.

The flexibility is further enhanced by multiple process connection output options.



MoGas medical oxygen purity monitor

The MoGas is a medical oxygen purity monitor and is a wall mounted instrument designed for use in medical oxygen generation systems for checking the purity of the oxygen produced.

It measures oxygen, carbon dioxide, carbon monoxide and moisture concentrations for monitoring the purity of medical oxygen generators

The technology integrated into the MoGas includes a paramagnetic or zirconia O₂ sensor, an infrared CO₂ sensor and an electrochemical CO sensor.

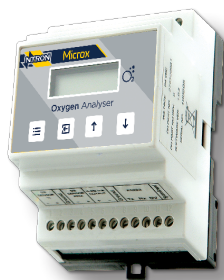
Features include a large backlit LCD display, data and event logging, optional built-in audible and visual alarms, programmable O₂, CO, CO₂ and H₂O alarm outputs and two isolated 4-20mA analogue outputs.



Microx CO / CO₂ analyzer

The Microx is a highly reliable and cost-effective CO or CO₂ analyzer with a linearized 4 to 20 mA output and 3 alarm outputs. It has a minimum detection range of 0 to 50 ppm CO and 0 to 1,000 ppm CO₂

This compact analyzer utilizes electrochemical technology for the measurement of carbon monoxide which has a sensor life in excess of 2 years. The infra-red sensor measures carbon dioxide in the measurement range of 0 to 1,000 ppm CO₂ and has a long life and no sensor drift.





Microx-OL oxygen monitor

The MICROX-OL wall mounted instrument designed to measure oxygen concentration in medical gas supplied from an oxygen generator.

This analyzer utilizes zirconia technology which has a sensor life which is not subject to drift. This sensor operates at 400°C so it is not affected by ambient temperature fluctuations. The zirconia sensor has a sensor life of 3 to 5 years when used within the stated specification.



All-2000 handheld oxygen analyzer

All-2000 series handheld oxygen analyzers provide a very easy way to verify oxygen and other medical gases used in medical or veterinary clinics. These FDA approved inexpensive medical gas analyzers use maintenance-free advanced galvanic oxygen sensors and will operate for up to 32 months.

This oxygen analyzer has been specifically designed for spot checking oxygen levels in anaesthesia, intensive care, incubators or other variants of respiratory or oxygen therapy.



MDM300 Portable dew point hygrometer

A high-speed portable dew-point hygrometer, offering rapid spot-check measurements of dew point or moisture content in many applications, including compressed air, natural gas and high-voltage switchgear quench gas. This lightweight, ATEX, IECEx, FM, CSA, GOST and INMETRO certified product allows more measurements per working hour than any other comparable product.

A hard-wearing but ergonomic case and an easy-to-use interface allows comfortable and practical operation in the toughest industrial environments.



Contact Information

IRELAND
Mullaghboy Industrial Park, Navan, Co. Meath, Ireland.

Phone: +353 46 907 1333 | Fax: +353 (0) 46 907 1331 | Email: sales@ntron.com

www.ntron.com



OXYGEN
MEASUREMENT
SOLUTIONS

