

oxygen monitoring



Oxygen Sensors

Compatible oxygen sensors for use with most oxygen monitors, oxygen analysers, incubators, ventilators, oxygen concentrators, anaesthesia systems....



- The widest range of sensors available
- Sensors that utilise the latest technology
- High performance
- Reliable and accurate

Viamed Ltd is the master distributor for Teledyne Analytical Instruments and its range of medical oxygen monitoring equipment.

Viamed began supplying the **original C class oxygen sensor**; the Teledyne Analytical Industries C1 Galvanic sensor, 30 years ago and we are pleased to say that we still offer the widest range of sensors featuring the very latest technology.

Teledyne was the first to patent and produce high quality electrochemical oxygen sensors for use in medical applications, and has a reputation for developing unique solutions for challenging applications.



Oxygen Sensors

Viamed stock a wide range of sensors compatible to most OEM sensors including:

Draeger, Siemens, Datex-Ohmeda, Maxtec, Criticare, Hewlett Packard/Philips, Hamilton, Respironics, Hudson/Ventronics, Marquette/Hellige/GE, Novametrics, Puritan Bennett, Spacelabs, Vickers, BCI, Bird....

Sensors available from Viamed utilise the latest technology:

- Rhodium Cathode
- UFO; Ultra Fast Oxygen Response
- Smart Sensors

UFO; Ultra Fast Oxygen Response

Specifically developed as a reliable and economical alternative to expensive paramagnetic and optical sensors, the Teledyne **UFO** sensor utilises technology which is inherently rugged and forgiving.

Unlike other sensors, the UFO is insensitive to shock, vibration and position and will withstand repeated exposure to moisture without damage. With an average response time of 100 milliseconds, the UFO is one of the fastest sensors ever developed.

The UFO sensor is ideally suited for use in critical care monitors, where breath by breath analysis may be essential.

Rhodium Cathode

Oxygen sensors typically use a metallic anode electrode immersed in a liquid electrolyte with the gas sensing cathode.

As gas passes through the chamber of the sensor, particles deposit on the sensing surface of the cathode which affects the sensor's performance and therefore the sensor's life.

The Teledyne range of oxygen sensors feature a cathode plated with **Rhodium**, which rejects or prolongs the formation of any of these deposits, therefore leading to superior performance and an increase in sensor life.

This is patented technology and therefore only available with Teledyne manufactured sensors.

Smart Sensors

Drawing on its vast experience in producing electromechanical sensors, Teledyne has developed a new type of intelligent oxygen sensor to meet modern requirements; the **Smart** sensor.

Smart sensors have the ability to communicate with the host device whether it be a ventilator, incubator, oxygen concentrator, or a stand alone dedicated analyser or monitor, through a product specific keyed and encrypted output.

Using a product specific code establishes a means to protect the performance of the device. Other output data includes; sensor serial number, manufacture date, remaining life, signal level and diagnostics.

- **Experience and knowledge** - speak to us regarding any of your oxygen sensor queries.
- **The widest range** available on the market - we can supply oxygen sensors compatible to most OEM's sensors.
- Sensors that utilise the **latest technology** - providing high performance, reliability and accuracy to the user.

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