

Introduction to Maxtec Oxygen Monitoring

What is oxygen monitoring?

Oxygen monitoring is used for the physical measurement of gases for fractional oxygen (FiO₂) outside of the body before it enters the patient i.e.

- Piped or Bottled Gases
- Oxygen Concentrators
- Ventilators
- Air/Oxygen Blenders
- Oxygen Hoods (product dependant)

Measurements are typically between 21 and 100%.

Medical Maxtec Analysers Monitors

MaxO₂+A Oxygen Analyser

This analyser, with internal sensor, quickly adapts for use in tubing applications and is ideal for checking oxygen percent accuracy in line or on concentrators. The MaxO₂+A and AE will calibrate to room air (20.9%) or 100% oxygen. For applications needing an external sensor, see the MaxO₂+AE below.

The MaxO₂+A includes the following accessories:

- 1 x 0110427 MAX-250+ oxygen sensor
- 1 x 0120100 T adapter*
- 1 x 0120095 Flow diverter
- 1 x 0120120 Oxygen concentrator adaptor cap



Benefits

- Long battery life (approximately 5,000 hours on 2 x AA batteries)
- Ergonomically designed hand-held unit
- Impact resistant and drip proof
- Large LCD with 3.5 digit display
- Warranty: 24 months

Part Number: 0111260

Other variants available, SCUBA.

*When supplied as an accessory with the monitor this is covered by the CE mark of the monitor.

** Two versions of the MAX-550E are available, one is for use with the MaxO₂ ME monitor, the other is for the MaxBlend. The difference is the design and size of flow diverter supplied with each.

MaxO2+AE Oxygen Analysers

The MaxO2+AE is best used wherever an inline analyser is required—especially useful with older ventilators or oscillators.

The MAXO2+AE includes the following accessories:

- 1 x 0110429 MAX-250E oxygen sensor
- 1 x 0120100 T adapter*
- 1 x 0120095 Flow divertor
- 1 x 0121302 V mount assembly



Benefits

- Long battery life (approximately 5,000 hours on 2 x AA batteries)
- Ergonomically designed hand-held unit
- Impact resistant and drip proof
- Large LCD with 3.5 digit display
- Warranty: 24 months

Part Number (Standard): 0111261

Part Number (Short Cable): 0111262

Other variants available, SCUBA.

Handi+

The Handi+ oxygen analyser is great for spot-checking oxygen percentages in hospitals, clinics, and home care environments.

Benefits

- One-touch calibration
- Over mould for extra protection
- Small, convenient and portable
- Auto-off
- **Disposable at end of sensor life**
- 3 digit LCD display
- Warranty: 24 months



Other variants available including, for use in Industrial, Automotive (Nitrogen) and SCUBA applications.

Please be aware, this has an integrated sensor and therefore, once depleted, has to be disposed of. The sensor has a long life of 1,500,000 oxygen percent hours and the battery will last for 1,850 hours.

The Handi+ includes the following accessories:

- 1 x 0120100 T adapter*
- 1 x 0120095 Flow Divertor
- 1 x 0120120 Oxygen Concentrator Adaptor Cap

Unlike the Envitec OxiQuant S, this unit is CE certified for medical use.

Part Number: 0111250

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** Two versions of the MAX-550E are available, one is for use with the MaxO2 ME monitor, the other is for the MaxBlend. The difference is the design and size of flow diverter supplied with each.

MaxO2 ME Oxygen Monitor

The MaxO2 ME low-maintenance oxygen monitor with smart alarms auto-set at 3% ± current reading. Oxygen monitor with adjustable alarms from 15 – 99%.

The MaxO2 ME includes the following accessories:

- 1 x 0110452 MAX-550E oxygen sensor**
- 1 x 0131700 Sensor cable
- 1 x 0120100 T adapter*
- 1 x 0120095 Flow diverter



Benefits

- Long battery life (approximately 5,000 hours on 2 x AA batteries)
- Adjustable alarms from 15 - 99%
- Smart alarms - Sets alarms 3% ± current reading
- Back lit LCD display
- DC power port (power supply sold separately)
- Protective overmould
- Built-in kickstand and dove tail
- Warranty: 24 months

Part Number: 0111263

UltraMaxO2

The UltraMaxO2 offers a fast and easy verification of oxygen concentration, flow and outlet pressure of oxygen concentrators.

The UltraMaxO2 helps oxygen concentrator service technicians looking to save on costs and time when checking patient oxygen concentrators. With integrated oxygen, flow, and outlet pressure monitoring in a single device, this handheld device is easy to operate, store, and transport and does not require a traditional electrochemical sensor, which reduces the overall maintenance and minimizes the cost of ownership.

The UltramaxO2 was calibrated to measure oxygen, nitrogen and argon from an oxygen concentrator, and pure oxygen during the calibration verification mode.



Benefits

- Accurately measure oxygen, flow & pressure
- No oxygen sensor required
- No in-field calibration
- Self-diagnostics
- Shielded, reinforced sample gas inlet port
- Measurement range: 20.9 - 96%
- Warranty: 36 months

No annual calibration or service required but is available upon request.

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Maxtec Nitrogen Analysers

Nitrogen tire inflation will allow tires to perform better, last longer and provide superior fuel economy all while maintaining a more constant pressure than regular air-filled tyres.

The oxygen diffuses through the membrane and an electrical current is generated that is proportional to the partial pressure of oxygen in the gas sample. The oxygen percentage is subtracted from 100, with the remainder being displayed as percent nitrogen. The sensor has a minimal response to gases other than oxygen.

Handi+N2

Similar to the Medical version, the Handi+N2 is maintenance and disposable at the end of the sensor life. The Handi+N2 is great for spot-checking Nitrogen percentage in industrial and automotive applications.

Part Number: 0111248

MaxN2+A Nitrogen Analyser

Similar to the Medical version, the MaxN2+A has an internal sensor.

Part Number: 0111273

MaxN2+AE Nitrogen Analyser

Similar to the Medical version, the MaxN2+AE has an external sensor.

Part Number: 0111274

Cross Reference

When searching for replacement oxygen sensors for the above monitors/analysers, go to the cross reference which can be found in Intrastats, drop down menu, cross references, select group "oxygen sensors".

Website: www.viamed.co.uk/xref

There are currently no lead-free alternatives for the Maxtec range of Oxygen Sensors.

Pricing

Pricing can be found on Intrastats, under the "£" symbol. There are also downloadable PDFs against the "£" or in the "i" section.

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Measurements are typically between 21 and 100%.

Medical Maxtec Analysers Monitors

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The MaxO2+A includes the following accessories:

- 1 x 0110427 MAX-250+ oxygen sensor
- 1 x 0120100 T adapter*
- 1 x 0120095 Flow divertor
- 1 x 0120120 Oxygen concentrator adaptor cap



Benefits

- Long battery life (approximately 5,000 hours on 2 x AA batteries)
- Ergonomically designed hand-held unit
- Impact resistant and drip proof
- Large LCD with 3.5 digit display
- Warranty: 24 months

Part Number: 0111260

Other variants available, SCUBA.

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MaxO2+AE Oxygen Analysers

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Part Number (Standard): 0111261

Part Number (Short Cable): 0111262

Other variants available, SCUBA.

Handi+

The Handi+ oxygen analyser is great for spot-checking oxygen percentages in hospitals, clinics, and home care environments.

Benefits

- One-touch calibration
- Over mould for extra protection
- Small, convenient and portable
- Auto-off
- **Disposable at end of sensor life**
- 3 digit LCD display
- Warranty: 24 months



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- Back lit LCD display
- DC power port (power supply sold separately)
- Protective overmould
- Built-in kickstand and dove tail
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Benefits

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- No oxygen sensor required
- No in-field calibration
- Self-diagnostics
- Shielded, reinforced sample gas inlet port
- Measurement range: 20.9 - 96%
- Warranty: 36 months

No annual calibration or service required but is available upon request.

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Handi+N2

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Part Number: 0111248

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Similar to the Medical version, the MaxN2+A has an internal sensor.

Part Number: 0111273

MaxN2+AE Nitrogen Analyser

Similar to the Medical version, the MaxN2+AE has an external sensor.

Part Number: 0111274

Cross Reference

When searching for replacement oxygen sensors for the above monitors/analysers, go to the cross reference which can be found in Intrastats, drop down menu, cross references, select group "oxygen sensors".

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The MaxO2+A includes the following accessories:

- 1 x 0110427 MAX-250+ oxygen sensor
- 1 x 0120100 T adapter*
- 1 x 0120095 Flow divertor
- 1 x 0120120 Oxygen concentrator adaptor cap



Benefits

- Long battery life (approximately 5,000 hours on 2 x AA batteries)
- Ergonomically designed hand-held unit
- Impact resistant and drip proof
- Large LCD with 3.5 digit display
- Warranty: 24 months

Part Number: 0111260

Other variants available, SCUBA.

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Part Number (Standard): 0111261

Part Number (Short Cable): 0111262

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Handi+

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Benefits

- One-touch calibration
- Over mould for extra protection
- Small, convenient and portable
- Auto-off
- **Disposable at end of sensor life**
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Benefits

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- Adjustable alarms from 15 - 99%
- Smart alarms - Sets alarms 3% ± current reading
- Back lit LCD display
- DC power port (power supply sold separately)
- Protective overmould
- Built-in kickstand and dove tail
- Warranty: 24 months

Part Number: 0111263

UltraMaxO2

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The UltramaxO2 was calibrated to measure oxygen, nitrogen and argon from an oxygen concentrator, and pure oxygen during the calibration verification mode.



Benefits

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- Self-diagnostics
- Shielded, reinforced sample gas inlet port
- Measurement range: 20.9 - 96%
- Warranty: 36 months

No annual calibration or service required but is available upon request.

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Handi+N2

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Part Number: 0111248

MaxN2+A Nitrogen Analyser

Similar to the Medical version, the MaxN2+A has an internal sensor.

Part Number: 0111273

MaxN2+AE Nitrogen Analyser

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Part Number: 0111274

Cross Reference

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This analyser, with internal sensor, quickly adapts for use in tubing applications and is ideal for checking oxygen percent accuracy in line or on concentrators. The MaxO2+A and AE will calibrate to room air (20.9%) or 100% oxygen. For applications needing an external sensor, see the MaxO2+AE below.

The MaxO2+A includes the following accessories:

- 1 x 0110427 MAX-250+ oxygen sensor
- 1 x 0120100 T adapter*
- 1 x 0120095 Flow divertor
- 1 x 0120120 Oxygen concentrator adaptor cap



Benefits

- Long battery life (approximately 5,000 hours on 2 x AA batteries)
- Ergonomically designed hand-held unit
- Impact resistant and drip proof
- Large LCD with 3.5 digit display
- Warranty: 24 months

Part Number: 0111260

Other variants available, SCUBA.

*When supplied as an accessory with the monitor this is covered by the CE mark of the monitor.

** Two versions of the MAX-550E are available, one is for use with the MaxO2 ME monitor, the other is for the MaxBlend. The difference is the design and size of flow diverter supplied with each.

MaxO2+AE Oxygen Analysers

The MaxO2+AE is best used wherever an inline analyser is required—especially useful with older ventilators or oscillators.

The MAXO2+AE includes the following accessories:

- 1 x 0110429 MAX-250E oxygen sensor
- 1 x 0120100 T adapter*
- 1 x 0120095 Flow divertor
- 1 x 0121302 V mount assembly



Benefits

- Long battery life (approximately 5,000 hours on 2 x AA batteries)
- Ergonomically designed hand-held unit
- Impact resistant and drip proof
- Large LCD with 3.5 digit display
- Warranty: 24 months

Part Number (Standard): 0111261

Part Number (Short Cable): 0111262

Other variants available, SCUBA.

Handi+

The Handi+ oxygen analyser is great for spot-checking oxygen percentages in hospitals, clinics, and home care environments.

Benefits

- One-touch calibration
- Over mould for extra protection
- Small, convenient and portable
- Auto-off
- **Disposable at end of sensor life**
- 3 digit LCD display
- Warranty: 24 months



Other variants available including, for use in Industrial, Automotive (Nitrogen) and SCUBA applications.

Please be aware, this has an integrated sensor and therefore, once depleted, has to be disposed of. The sensor has a long life of 1,500,000 oxygen percent hours and the battery will last for 1,850 hours.

The Handi+ includes the following accessories:

- 1 x 0120100 T adapter*
- 1 x 0120095 Flow Divertor
- 1 x 0120120 Oxygen Concentrator Adaptor Cap

Unlike the Envitec OxiQuant S, this unit is CE certified for medical use.

Part Number: 0111250

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** Two versions of the MAX-550E are available, one is for use with the MaxO2 ME monitor, the other is for the MaxBlend. The difference is the design and size of flow diverter supplied with each.

MaxO2 ME Oxygen Monitor

The MaxO2 ME low-maintenance oxygen monitor with smart alarms auto-set at 3% ± current reading. Oxygen monitor with adjustable alarms from 15 – 99%.

The MaxO2 ME includes the following accessories:

- 1 x 0110452 MAX-550E oxygen sensor**
- 1 x 0131700 Sensor cable
- 1 x 0120100 T adapter*
- 1 x 0120095 Flow diverter



Benefits

- Long battery life (approximately 5,000 hours on 2 x AA batteries)
- Adjustable alarms from 15 - 99%
- Smart alarms - Sets alarms 3% ± current reading
- Back lit LCD display
- DC power port (power supply sold separately)
- Protective overmould
- Built-in kickstand and dove tail
- Warranty: 24 months

Part Number: 0111263

UltraMaxO2

The UltraMaxO2 offers a fast and easy verification of oxygen concentration, flow and outlet pressure of oxygen concentrators.

The UltraMaxO2 helps oxygen concentrator service technicians looking to save on costs and time when checking patient oxygen concentrators. With integrated oxygen, flow, and outlet pressure monitoring in a single device, this handheld device is easy to operate, store, and transport and does not require a traditional electrochemical sensor, which reduces the overall maintenance and minimizes the cost of ownership.

The UltramaxO2 was calibrated to measure oxygen, nitrogen and argon from an oxygen concentrator, and pure oxygen during the calibration verification mode.



Benefits

- Accurately measure oxygen, flow & pressure
- No oxygen sensor required
- No in-field calibration
- Self-diagnostics
- Shielded, reinforced sample gas inlet port
- Measurement range: 20.9 - 96%
- Warranty: 36 months

No annual calibration or service required but is available upon request.

Part Number: 0111265

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Maxtec Nitrogen Analysers

Nitrogen tire inflation will allow tires to perform better, last longer and provide superior fuel economy all while maintaining a more constant pressure than regular air-filled tyres.

The oxygen diffuses through the membrane and an electrical current is generated that is proportional to the partial pressure of oxygen in the gas sample. The oxygen percentage is subtracted from 100, with the remainder being displayed as percent nitrogen. The sensor has a minimal response to gases other than oxygen.

Handi+N2

Similar to the Medical version, the Handi+N2 is maintenance and disposable at the end of the sensor life. The Handi+N2 is great for spot-checking Nitrogen percentage in industrial and automotive applications.

Part Number: 0111248

MaxN2+A Nitrogen Analyser

Similar to the Medical version, the MaxN2+A has an internal sensor.

Part Number: 0111273

MaxN2+AE Nitrogen Analyser

Similar to the Medical version, the MaxN2+AE has an external sensor.

Part Number: 0111274

Cross Reference

When searching for replacement oxygen sensors for the above monitors/analysers, go to the cross reference which can be found in Intrastats, drop down menu, cross references, select group "oxygen sensors".

Website: www.viamed.co.uk/xref

There are currently no lead-free alternatives for the Maxtec range of Oxygen Sensors.

Pricing

Pricing can be found on Intrastats, under the "£" symbol. There are also downloadable PDFs against the "£" or in the "i" section.

Marketing Materials

Up to date copies of marketing materials such as leaflets, manuals and price lists (or in the £ screen) can be found on the stock pages under the "i" icon.

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Introduction to Maxtec Oxygen Monitoring

What is oxygen monitoring?

Oxygen monitoring is used for the physical measurement of gases for fractional oxygen (FiO₂) outside of the body before it enters the patient i.e.

- Piped or Bottled Gases
- Oxygen Concentrators
- Ventilators
- Air/Oxygen Blenders
- Oxygen Hoods (product dependant)

Measurements are typically between 21 and 100%.

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The MaxO₂+A includes the following accessories:

- 1 x 0110427 MAX-250+ oxygen sensor
- 1 x 0120100 T adapter*
- 1 x 0120095 Flow divertor
- 1 x 0120120 Oxygen concentrator adaptor cap



Benefits

- Long battery life (approximately 5,000 hours on 2 x AA batteries)
- Ergonomically designed hand-held unit
- Impact resistant and drip proof
- Large LCD with 3.5 digit display
- Warranty: 24 months

Part Number: 0111260

Other variants available, SCUBA.

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Part Number (Standard): 0111261

Part Number (Short Cable): 0111262

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- 1 x 0120095 Flow diverter



Benefits

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