Oxygen Analyzers (continued on next page)

The All-New Handi®+
Oxygen Analyzer

The Handi+ is everything it’s always been and more! Maxtec has improved the Handi O₂ analyzer to better meet your needs for oxygen analysis. This all-new analyzer from Maxtec now features a new one-touch calibration and a protective overmold for increased durability.

- New and improved one-touch calibration button
- Small, convenient and portable
- Overmold for extra protection
- Auto-off
- 24 month warranty

Handi+ Analyzer #HO-R218P12

Specifications

| Sensor Type: | MAX-250 galvanic cell w/Temperature Compensation (Non-Replaceable) |
| Measurement Range: | 0.0 - 99.9% oxygen (gas) |
| Resolution/Display: | 0.1% - The three digit LCD indicates values between 0.0 - 99.9% oxygen |
| | Over range indicated by one decimal point on display located after the first digit |
| Response Time: | <15 seconds for 90% step change (at 25°C) |
| Linearity/Accuracy: | @15° to 40°C. ±1% of full scale at constant temperature, R.H. and pressure when calibrated at full scale |
| | ±3% actual oxygen level over full operating temperature |
| Power: | Powered by one internal, non-replaceable, Lithium battery, CR2450. Power on push button automatically shuts off after 80 sec. time-out. Electronics rated general purpose; not for use in hazardous areas or for use with flammable gases |
| Battery Life: | Approximately 1850 hours (74,000 cycles) |
| Sample Port: | M-16 x 1 thread with diverter fitting and barbed tubing adapter |
| Diverter Fitting: | Fits medical standard 15mm “T” adapter |
| Temperature: | Operating: 15° to 40°C, Storage: -15° to 50°C |
| Expected Storage Life: | Two months. Special freshness seal on sensor. |
| Operating Pressure: | Atmospheric pressure to 3psig |
| Environmental: | General purpose housing equivalent to NEMA 1. The Handi+ is not waterproof. 0 - 95% RH, non-condensing |
| Weight: | Approximately 2.12 oz (60 grams) |

Example set-up showing activator with FIO₂ sensor for non-contaminating O₂ spot checks.

GZ-BE 105-10
Multi-use adapter with spring loaded FIO₂ port.
Includes GZ-BE 101-3A activator for small bore tubing.

MAXO₂⁺A & AE

Maxtec® is pleased to introduce the revolutionary MAXO₂⁺ oxygen analyzers. They come fully equipped with a simple to use one-touch calibration, and an unsurpassed 5000 hour battery-life. Both analyzer and sensor are protected with a two year warranty. The MAXO₂⁺ ergonomic, patented design is user friendly and fits comfortably in your hand.

MAXO₂⁺A #HO-R217P62
Oxygen Analyzer with internal sensor
MAXO₂⁺AE #HO-R217P72
Oxygen Analyzer with external sensor
OM-25 Series

Our MAXO₂® (OM-25 Series) is known for its legendary 2 year warranty on both the analyzer and sensor. Maxtec leads the industry in long battery life and overall low cost of ownership.

#HO-OM-25ME (R213P05)
MAXO₂®, Oxygen Monitor alarm (18-99%) external sensor

#HO-OM-25MEL (R213P65)
MAXO₂®, Oxygen Monitor low limit alarm (15-99%) external sensor

#HO-OM-25A (R213P15) Not Shown
MAXO₂®, Oxygen Monitor alarm w/ integral O₂ sensor inside for checking oxygen concentrators

O₂ Replacement Sensors

MAX™-250E
Extended life
24 Month warranty

MAX™-250 & MAX™-250+
Extended life
24 Month warranty

MAX™-250ESF
Extended life
12 Month warranty

MAX™-250+ #HO-R125P02-011
Oxygen replacement sensor for the MAXO₂®+A

MAX™-250 #HO-R125P01-002
Oxygen replacement sensor for the OM-25A

MAX™-250E #HO-R125P03-002
Oxygen replacement for the MAXO₂®+AE, OM-25ME, OM 25AE & MAXBlend

MAX™-250ESF #HO-R115P85
Oxygen Analyzers

State-of-the-Art
Accurate and Durable Oxygen Monitor

It's Intelligent...
It is the only unit which retains settings with batteries removed.

It's Unique...
It is the only unit to have three (3) different alarm sounds; high/low, check sensor and low battery alarms.

It's Durable...
It has a high impact housing for unparalleled performance under the hardest conditions.

It's Versatile...
Easy mounting bracket, soft grip sides or nonskid feet.

It's User Friendly...
It has a back lit easy-to-read screen and uncomplicated key pad.

It's a High Performance Unit...
The highly accurate unit maintains ± 1% accuracy.

#EC-PM5900

Specifications

| Dimensions: (Monitor without cable and sensor attached) | Length: 1.72” (4.36 cm) |
| Weight: | Width: 3.56” (9.04 cm) |
| Battery Life: | Height: 5.44” (13.82 cm) |
| Diverter Fitting: | Cable Length (fully extended): 10ft. (3.05 m) |
| Measurement Range: | Power Requirements: 4 AA Alkaline Batteries (4 x 1.5 = 6 Volts) |
| Accuracy & Linearity: | Battery Life: Approximately 2,000 hours continuous use non-alarm condition |
| Total Accuracy: | Diverter Fitting: 15 mm "T" adapter |
| Response Time: | Measurement Range: 0.0 - 100% Oxygen |
| Low Battery Indication: "LO BATTERY" message displayed and audible alarm |
| Low Alarm Range: 18%-99% Oxygen |
| High Alarm Range: 19%-100% Oxygen |
| High Alarm De-Activation Setting: Above 100% ("---" will appear) |
| Sensor Type: Galvanic Oxygen Sensor (fuel cell) |

ACCESSORIES AND REPLACEMENT PARTS

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<th>Horizontal Pole Mount</th>
<th>Vertical Pole Mount</th>
<th>Wall Mount</th>
<th>T Piece</th>
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<td>Ordering Information #EC-505013</td>
<td>Ordering Information #EC-505189</td>
<td>Ordering Information #EC-505126</td>
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<td>Coil Cable</td>
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<td>Ordering Information #10-10305</td>
<td>Ordering Information #EC-505344</td>
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</table>
Oxygen Analyzers

MiniOX 1

For spot checking oxygen concentrations, the MiniOX 1 Oxygen Analyzer is the preferred choice of healthcare professionals. This portable unit comes with battery life indicators, and easy-to-use thumb wheel calibration dial and a push-button ON/OFF switch. Powered by one 9-volt battery, the MiniOX 1 Oxygen Analyzer provides up to 1400 hours of use.

Each MiniOX 1 Oxygen Analyzer is shipped ready-to-use, complete with oxygen sensor, coiled cable, tee adapter and battery.

MiniOX 1 SPECIFICATIONS

Range: 0 - 100% O2
Display Resolution: ± 0.1% O2 increments
Linearity: ± 1% of full scale
Accuracy: ± 1% of full scale
Low Battery Indicator: First Stage: “LO BAT” will appear on the display. Second Stage: Instrument will shut down.
Warm Up Time: None required
Operating Temperature Range: 0 degrees to 40 degrees C (32 degrees to 104 F)
Storage Temperature Range: -20 degrees to 55 degrees C (-4 degrees to 131 degrees F)
Humidity: 0 to 95% RH (non-condensing)
Power Requirement: One 9 volt alkaline battery (72 mn 1604)
Battery Life: Approx. 1400 hours
Dimensions: 4-5/8” x 2-1/2” x 1-1/2”
Weight: 7 oz. (198.5 grams)
Cable Length: 10 ft. (3m) fully extended

MiniOX 1A

The MiniOX 1A Oxygen Analyzer is the ideal choice for spot checking or repairing home oxygen concentration. Designed to attach to any model oxygen concentrator, the MiniOX 1A Oxygen Analyzer with internal oxygen sensor is portable, easy-to-use and features better life indicators and a thumb wheel dial for convenient calibration. The MiniOX 1A Oxygen Analyzer is powered by one 9-volt battery for up to 1400 hours of use.

Each MiniOX 1A Oxygen Analyzer is shipped ready-to-use and comes with oxygen sensor, adapter and battery.

MiniOX 1A SPECIFICATIONS

Range: 0 - 100% O2
Display Resolution: ± 0.1% O2 increments
Linearity: ± 1% of full scale
Accuracy: ± 1% of full scale
Low Battery Indicator: “LO BAT” appears on instrument when 8 hours operational time remains on unit. Dead battery indicator: Unit numerical display will blank to prevent possible erroneous operation.
Power Supply: One 9 volt alkaline battery (72 mn 1604)
Battery Life: Approx. 1400 hours
Cable Length: No cable. Connects directly to O2 concentrator.
Dimensions: 5.69” x 2.5” x 1.75”
Weight: 11 oz.
Storage Temperature: -20 degrees to 55 degrees C (-4 degrees to 131 degrees F)
Humidity: 5 - 95% RH (non-condensing)
Alarms: N/A

#50-473030 (Replacement sensor #10-103-05)

#50-804174 (Replacement sensor #10-103-13)
Oxygen Analyzers

**MiniOX 3000**

**Oxygen Monitor**

50-814365

When your oxygen analysis calls for continuous monitoring, the MiniOX 3000 Oxygen Monitor is the obvious choice. Portable and easy-to-use, the MiniOX 3000 Oxygen Monitor is perfect for "in line" oxygen monitoring in such applications as hospital and home ventilators, NICU and anesthesia delivery equipment.

The MiniOX 3000 features high and low oxygen concentration alarms, automatic calibration, battery life indicators and alarms, sensor/cable disconnect alarm and an alarm verification indicator. Powered by one 9 volt battery, the MiniOX 3000 provides up to 1500 hours of use.

Each MiniOX 3000 is shipped ready-to-use, complete with oxygen sensor, coiled cable, tee adapter and battery.

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**MiniOX 3000 SPECIFICATIONS**

- **Range:** 0 - 100% O2
- **Display Resolution:** 0.1 O2 increments
- **Linearity:** ± 1%
- **Battery Indication:**
  - **Stage 1:** Warning that approximately 6 hours of monitoring life remain.
  - **Stage 2:** Alarm that proper operation is not assured; monitor shuts down, audible and visual alarms are activated.
- **Power Supply:** One 9-volt battery
- **Battery Life:** Approx. 1500 hours
- **Cable Length:** 10 feet
- **Dimensions:** 5.98" x 3.26" x 1.31"
- **Weight:** 9.2 oz.
- **Storage Temp:** -40 to 70°C (-40 to 158°F)
- **Humidity:** 5-95% RH (non-condensing)
- **Alarms:** Pulsating alarm/flashing LED

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**Sensor Specifications**

**Galvanic Interferant**

- Carbon Dioxide 12%
- Cyclopropane 50%
- Desflurane 7.5%
- Diethyl Ether 20%
- Enflurane 4%
- Halothane 5%
- Helium 80%
- Isoflurane 8%
- Methoxyflurane 4%
- Nitrogen 80%
- Nitrous Oxide 80%

**Volume % Dry Interface Equivalent of % O2**

- 0.1%
- 0.1%
- 0.5%
- 1.5%
- 0.5%
- 0.9%
- 0.2%
- 0.5%
- 2.3%
- 0.2%
- 0.8%

For MiniOX I, II, III & 3000

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**Replacement Accessories**

- **50-474682** Home Care Kit
- **50-474606** Dovetail
- **50-472045** Coiled Cable
- **50-803229** Deflector
- **50-834249** Retaining Strap

**Adapters**

- **50-473021** In Line Tee Adapter

**Mounting Brackets**

- **50-474664** Mounting Bracket 1 Pole

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**Type**

**SheLF Life**

10-10305

**Life**

Response

Time

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MERCURY MEDICAL®

Page 297  (800) 835-MMED  (727) 573-0088  FAX (800) 990-6375
## Oxygen Analyzers/Accessories

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<td>Monitor Cable Kit (AE, ME models) with glue, tie, grommet</td>
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<td>HO-R103P90</td>
<td>Perfusion “T” Adapter</td>
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<td>HO-R103P96</td>
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<td>HO-R206P75</td>
<td>Pole Mount Clamp (AE, ME models)</td>
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<td>HO-R206P76</td>
<td>Horizontal Pole Clamp (not shown)</td>
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<tr>
<td>HO-R207P17</td>
<td>Concentrator Adapter Threaded (AE, ME and Handi®/Tygon Tubing included)</td>
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<tr>
<td>HO-R106P15</td>
<td>Concentrator Adapter Slip with Tube</td>
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<tr>
<td>HO-R213P02</td>
<td>Monitor/Analyzer Case (any model)</td>
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<tr>
<td>HO-R213P31</td>
<td>Deluxe Swivel Mount</td>
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<tr>
<td>HO-R213P55</td>
<td>Table Top Stand (ME models)</td>
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<tr>
<td>HO-R213P90</td>
<td>Handi®/MAXO2® Box (foamed, waterproof) 8&quot; (L) x 4&quot; (W) x 4&quot; (D)</td>
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<td>HO-R213P56</td>
<td>Deluxe Carrying Case (foamed, water-tight) 10-5/8&quot; (L) x 9-11/16&quot; (W) x 4-7/8&quot; (D) (not shown)</td>
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<td>HO-R213P92</td>
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