

MaxO₂[®]+A Oxygen Analyzer

SENSING

ANALYSIS

DELIVERY



Patented ergonomic design fits comfortably in your hand.



MAXO₂+A OVERVIEW

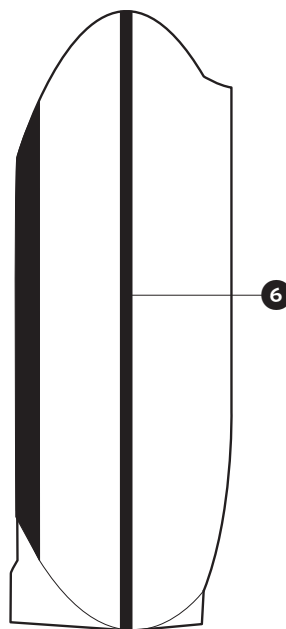
The MaxO₂+A was designed with simplicity and portability in mind. This analyzer quickly adapts for use in tubing applications and is ideal for checking oxygen percent accuracy in line or on concentrators. Its patented ergonomic design fits comfortably in your hand and features a simple one-touch on/off and calibration. The MaxO₂+A will calibrate to room air (20.9%) or 100% oxygen. For applications needing an external sensor, check out our MaxO₂+AE.

PART NUMBERS

MaxO₂+AR217P62
MaxO₂+A w/Flow AdapterR217P62-004

ACCESSORIES

15mm Tee Adapter RP16P02
Flow Diverter R110P10
Tight Fit CaseR217P32
Max-250+ R125P02-011
Barbed Adapter with Tubing..... R207P17



1. Large LCD

Easy to read characters

2. Calibration Reminder

Reminds once a week

3. One-Touch Calibration

Auto cal. to room air or 100% oxygen

4. On/Off Button

One-touch on and off

5. Patented Ergonomic Design

Fits comfortably in your hand

6. Rubber Gasket

Prevents moisture from contact board

Specifications

Measurement Range	0 - 100% Oxygen
Display Resolution	0.1% Oxygen
Warm-up Time	None Required
Operating Temperature Range	15°C - 40°C (59°F - 104°F)
Operating Humidity Range	0 - 95% RH non-condensing
Oxygen Measurement Accuracy	±3% actual oxygen level over full operating temperature range
Sensor Connection	M16 x 1 Thread
Sensor Operating Life	>900,000 oxygen percent hours, minimum 2 years in typical applications
Maximum Storage Temperature Range	15°C - 50°C (5°F - 122°F)
Optimal Storage Temperature Range	5°C - 25°C (41°F - 77°F)
90% Response Time	<15 seconds @ 23°C
Low-Battery Indicator	"BAT" icon displayed on LCD
Power Requirement	2-AA Alkaline Batteries (2x1.5 Volts)
Calibration Reminder	One week timer started with every calibration , "CAL" icon displayed on LCD
Sensor Type	Maxtec MAX-250+ galvanic fuel cell
Total Weight	0.4 lbs (170 grams)
Dimensions	3.75" (tall) x 3.00" (wide) x 1.33" (thick)

ML# 186 REV. F

UltraMaxO₂

SENSING

ANALYSIS

DELIVERY

The **UltraMaxO₂** helps oxygen concentrator service technicians

looking to **save on costs and time** when checking patient

O₂ concentrators. With **integrated oxygen, flow, and outlet**

pressure measurements 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

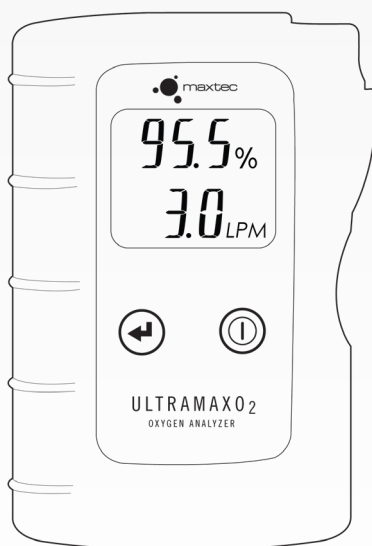


Part Numbers:

UltramaxO₂ R221P11

UltraMaxO₂ (International) R221P11-001

TECHNICAL SPECIFICATIONS



Oxygen

Oxygen Measurement Range (from a concentrator) 20.9 - 96%

Oxygen Measurement Accuracy ±1.5 % of full scale at
constant temperature and optimal flow*

Oxygen Measurement Resolution 0.1% Oxygen

Flow

Flow Measurement Range 0 - 10 LPM

Flow Measurement Accuracy ±0.2 LPM

Flow Measurement Resolution 0.1 LPM

Pressure

Pressure Measurement Range 0.5 - 50 (PSI), 3.4 - 344 (kPa)

Pressure Measurement Accuracy ±0.5% (PSI), ±0.5% (kPa)

Pressure Measurement Resolution 0.1 (PSI), 0.1 up to 199, 1 from 200 to 344 (kPa)

Response Time ≤17 seconds

Warm-up Time < 1 second

Operating Temperature 15°C - 40°C (59°F - 104°F)

Storage Temperature -15°C - 60°C (5°F - 140°F)

Pressure 800 - 1000 mBars

Humidity 0 - 95% (non-condensing)

Power Requirements 2 AA Alkaline batteries (2 x 1.5 Volts)

Battery Life ≥ 1,100 hours (16,500 read cycles)

Low Battery Indication "Low Battery" icon displayed on LCD

Dimensions 3.16" x 5.10" x 1.04" (80.3mm x 129.5mm x 26.4mm)

Weight 0.4 lbs (181 g)



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West Valley City, UT 84119

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UltraMaxO₂

Quick Set-Up & Readouts

The UltraMaxO₂ displays quick, easy-to-see readings with an overall much shorter set up time. The user only needs to connect the tubing from the gas sample inlet on the UltraMaxO₂ directly to the oxygen concentrator. The LCD screen on the UltraMaxO₂ displays large, clear numbers of the readings.

Reduced Cost of Ownership With The Ultrasonic Sensor

Because the UltraMaxO₂ does not require an oxygen sensor, there is no need to replace sensors over time. The built in ultrasonic sensor is designed to last the life of the analyzer, unlike a traditional galvanic oxygen sensor. This helps maintain a low cost of ownership because the costs associated with maintenance and regularly replacing the sensor are alleviated.

Ability to Check Outlet Pressure

Having an integrated pressure measurement function paired with %O₂ and flow measurement means that you only need one piece of equipment. Other products available potentially exclude this parameter, requiring use of additional equipment when servicing O₂ concentrators.



The design also makes checking outlet pressure extremely simple. Covering the outlet port with your finger will switch the reading from displaying %O₂ & flow rate to displaying the pressure of the O₂ concentrator.

There is also an added feature that allows the user to change the unit display for pressure from pounds per square inch to killipascal; this can be changed by using a switch inside the battery door.

No In-Field Calibration Required

In some cases, medical device service technicians are required to record that they have calibrated the analyzer they are using to check equipment. The UltraMaxO₂ has a calibration verification button that verifies the unit is working correctly. When you hold down the button, it displays "cal ver" to confirm proper calibration, according to the products specifications. If there is an issue with the calibration (i.e. end of life, internal debris, etc.), it will display an error code to let the technician know there is an issue.

Some products used for oxygen concentrator servicing recommend that users calibrate their analyzers at 100% O₂. This requires tanks or bottles of 100% oxygen, and can become difficult to manage.

Using an ultrasonic solution like the UltraMaxO₂ means the gas is already calibrated and the calibration verification button eliminates the need for in-field calibration



Confidence in What's Being Delivered

- The UltraMaxO₂ is lightweight, durable, and easy to transport. The small design fits comfortably in the palm of your hand or in your back pocket. It also has a protective silicone case for added durability which helps to avoid damage during transport

ML-0230 Rev J



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