maxtec
A SALAERA COMPANY

MANUFACTURED BY MAXTEC

UltraMaxO_2

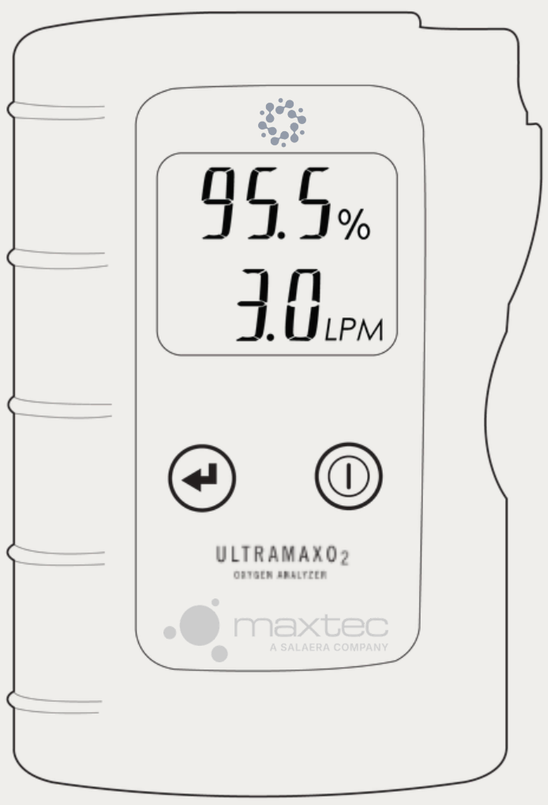
The **UltraMaxO_2** helps oxygen concentrator service technicians looking to save on costs and time when checking patient O_2 concentrators. With integrated oxygen, flow, and outlet pressure measurements in a single device, this handheld device is easy to operate, store, and transport and does not require a traditional electrochemical sensor, which reduces overall maintenance and minimizes the cost of ownership.

Sector:
MEDICAL



PART NUMBERS:

UltramaxO$_2$.....R221P11
UltraMaxO$_2$ (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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(800) 748-5355
salaera.com

UltraMaxO_2

QUICK SET-UP & READOUTS

The UltraMaxO_2 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 UltraMaxO_2 directly to the oxygen concentrator. The LCD screen on the UltraMaxO_2 displays large, clear numbers of the readings.

REDUCED COST OF OWNERSHIP WITH THE ULTRASONIC SENSOR

Because the UltraMaxO_2 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 %O_2 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 O_2 concentrators.



The design also makes checking outlet pressure extremely simple. Covering the outlet port with your finger will switch the reading from displaying %O_2 & flow rate to displaying the pressure of the O_2 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 UltraMaxO_2 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% O_2. This requires tanks or bottles of 100% oxygen, and can become difficult to manage.

Using an ultrasonic solution like the UltraMaxO_2 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 UltraMaxO_2 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