



maxtec



Perma Pure

# MaxO<sub>2</sub>™ ME<sup>+</sup>p

## Oxygen & Pressure Monitor

The MaxO<sub>2</sub>™ME+p continuously monitors FiO<sub>2</sub> and pressure, reducing the risk of alarm fatigue and missed spot checks during Bubble CPAP and other non-invasive oxygen therapies.

### Clinical Benefits

- **Enable efficiency** across clinical teams with reduced variances in readings
- **Minimize risk of adverse events** with customized patient settings and alarms
- **Adhere to AARC guidelines** by actively monitoring both pressure and oxygen levels

### Organizational Benefits

- **Streamline clinician workflow** with a device that easily integrates with existing systems across departments
- **Reduce costs** with a consumable that doesn't need replacing as often as traditional lines



#### Moisture-Controlling Nafion™ Tubing

Manages humidity in your line reducing risk of condensation build up. Seamlessly connects to bCPAP systems.



[Learn more, request a demo kit, or get a quote](#)



[Try the MaxO<sub>2</sub> ME+p Virtual Simulator](#)

## A Critical Tool For Delivering bCPAP Therapy

The American Association of Respiratory Care has Neonatal CPAP Guidelines that state a need for continuous monitoring of both airway pressure and FiO<sub>2</sub> when delivering bCPAP therapy to infant patients.\*

**Make Patient Safety a Priority** Bubble CPAP device manufacturer instructions state that pressure should always be monitored to verify CPAP levels being delivered to the patient.



\* <https://www.aarc.org/wp-content/uploads/2014/08/09.04.1100.pdf>



**Part Number R230P06 includes:**

- 1 MaxO<sub>2</sub> ME+p Oxygen & Pressure Monitor
- 2 Coiled Oxygen Sensor Monitor Cable
- 3 Max-550E Oxygen Sensor
- 4 Flow Diverter
- 5 Blue Tee Adapter



**Part Number R229P18-015 includes:**

- Pressure Monitoring Line, w/Moisture Control Tubing, 15pk



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**Base Unit Specs**

Expected Service Life .....	7 years
Measurement Range .....	0.0-100% O <sub>2</sub>
Resolution .....	0.1% O <sub>2</sub>
Accuracy and Linearity .....	±1% O <sub>2</sub> of full scale at constant temperature, R.H. and pressure when calibrated at full scale
Total Accuracy .....	±3% O <sub>2</sub> actual oxygen level over full operating temperature range
Response Time.....	90% of final value in approximately 15 seconds at 23°C
Warm-up Time .....	none required
Operating Temperature .....	15°C - 40°C (59°F - 104°F)
Storage Temperature .....	-15°C - 50°C (5°F - 122°F)
Atmospheric Pressure .....	800-1013 mBar
Humidity .....	0-95% (non-condensing)
Power Requirements .....	4, AA Alkaline batteries (4 X 1.5 Volts)
Power Specification .....	7.5V(MAX) 1.9W,250mA(MAX)
Battery Life .....	approximately 5000 hours in typical use
Low Battery Indication .....	icon displayed on LCD
Sensor Type .....	Maxtec MAX-550E galvanic fuel cell
Expected Sensor Life .....	>1,500,000% O <sub>2</sub> Hours over 2 years in typical applications
Alarm System .....	high/low alarms, flashing red/yellow LEDs, nominal 975Hz audio buzzer (according to IEC 60601-1-8 Audible Alarms in Medical Equipment)
Alarm Volume (all priorities) .....	70 dB(A) ± 7 dB(A) at 1 meter
Low Oxygen Alarm Range.....	15%-99% (>1% lower than high alarm)
High Oxygen Alarm Range .....	16%-100% (>1% higher than low alarm)
Alarm Accuracy .....	exact to displayed alarm value
Dimensions .....	3.6"(W) x 5.8"(H) x 1.2"(D) [91mm x 147mm x 30mm]
Weight .....	approximately 1.01 lbs. (0.46 kg)
Cable Length .....	9 ft. (3m) fully extended
Diverter Fitting .....	fits industry standard, 15 mm "T" adapter

**Pressure Monitor Specs**

Pressure measurement range .....	-15.0 - 60.0 cmH <sub>2</sub> O
Display resolution .....	0.5 cmH <sub>2</sub> O
Pressure Accuracy .....	±1.0 cmH <sub>2</sub> O
High Pressure Alarm Range .....	1-60 cmH <sub>2</sub> O, Off (--)
Low Pressure Alarm Range .....	(--) Off, 1-30 cmH <sub>2</sub> O
Pressure Alarm Resolution .....	1 cmH <sub>2</sub> O

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