

## Blender Sentinel Kit with MAXO<sub>2</sub> ®ME Oxygen Monitor

*Upgrade your existing blenders and always have a lookout on duty!*



### Oxygen monitor with adjustable alarms

The New MaxO<sub>2</sub>ME was designed based upon years of feedback from our customers. We've added numerous features, however still managed to create an easy to use, low maintenance monitor. New features include a back lit LCD, smart alarms, DC power port, protective over-mold, built in kickstand (in case it is temporarily needed in another area), built in dove tail, extended battery life and is also backed by the Maxtec 24 month warranty.

ISO 11195 states that gas being delivered to a patient from an air/oxygen blender should be analyzed to ensure that the correct oxygen percentage is indeed being delivered.



The Sentinel Kit puts the analyzer right where you need it, in a safe and secure spot. Traditional analyzers are often placed on a shelf or attached to a pole that is located in a different spot from the blender. Inconsistencies can easily be missed this way.

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# Blender Sentinel Kit MAXO<sub>2</sub><sup>®</sup> ME Oxygen Monitor

## Key Features

The Sentinel kit top bracket will mount to any BMD blender and most BIRD blender models (thus, no need to purchase a new blender/analyzer combination - far more economical)

The bottom bracket connects to the bottom port of the blender (this port is often not used, or has been plugged, so is generally available).

Bottom bracket has a dedicated analyzer port.

The dedicated port frees up the flow meters for other uses.

Coiled analyzer cable allows for easy removal for analyzing the oxygen concentration in an oxygen hood or hut.

Toggle switch on bottom bracket will disable the 3 lpm analyzer sample flow. This will save wasted gas cost when it is not being used (or when used for a hood or hut).

The Sentinel kit allows you to upgrade your existing air/oxygen blenders.

## Specifications

Range	0-100%
Display Resolution	0.1%
Response Time	90% of final value < 15 seconds at 23° C
Warm-up Time	None required
Cable Length	10ft. fully extended
Calibration Reminder	One week timer started every calibration
Weight	< 1.5 lbs
Min/Max Storage Temperature	-15°C - 40°C
Operating Temperature	5°F-122°F (15°C - 50°C)
Dimensions	3.6"(W) x 5.8"(H) x 1.2" (D)
Power Requirements	4-AA Alkaline replacement batteries
Optional Remote Power Supply	Optional 7.5VDC power adapter (does not function as charger, but only to extend battery life)
Battery Life	5000 hours (continuous monitoring, no alarms, no back-lighting)
Low Battery Indicator	On screen icon
Sensor Type	Maxtec ® Max-550 galvanic fuel cell
Sensor Connection	M16 X 1 Thread
Sensor Operating Life	>1,500,000 oxygen percent hours
High Alarm	18-99%
Low Alarm Range	15-99%
Alarm Accuracy	Exact to displayed O <sub>2</sub> values
Alarm System	High/low alarm system, flashing yellow LED's, nominal 975Hz audio buzzer
Linearity	+/- 1% of full scale at constant temperature and pressure
Accuracy	+/- 1% of full scale at constant temperature. RH and pressure

## Model

I0002 Bender Sentinel Kit

Designed to work with any Bio-Med Devices, Inc. blender and most Bird Blender models.

With a traditional stand-alone analyzer, the following issues are present:

- Users must cobble together an analyzer tee, then get oxygen tubing, an adapter to connect the tubing to the tee, then a section of large bore tubing (22mm) to fit on the other side of the tee to create a reservoir.
- Must dedicate a flow meter solely for the purpose of analyzing the gas.



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