

# BlenderBuddy 2 Flow Meter

SENSING

ANALYSIS

DELIVERY

The **BlenderBuddy 2** attaches to a blender to simplify integrating an FiO<sub>2</sub> analyzer or monitor through a universal DISS outlet port to provide added visibility of the delivered FiO<sub>2</sub>.

It is equipped with a sample gas analysis port, enabling placement of an oxygen analyzer to **ensure the blender is delivering an accurate mixture.**



## PART NUMBERS

BlenderBuddy 2, DFB :

0-3 LPM (Low Flow).....	R223P01-001
0-15 LPM (Low Flow).....	R223P01-002
0-30 LPM (Low Flow).....	R223P01-003
0-70 LPM (High Flow).....	R229P01-004

BlenderBuddy 2, DFB, with MaxO<sub>2</sub>+A:

0-3 LPM (Low Flow).....	R233P04-001
0-15 LPM (Low Flow).....	R233P04-002
0-30 LPM (Low Flow).....	R233P04-003
0-70 LPM (High Flow).....	R233P04-004

## EVERY BLENDER NEEDS A BUDDY

- 1 **MaxO<sub>2</sub>+A Oxygen Analyzer**  
*only included with select part numbers.*
- 2 **2-in-1 DFB Flow Meter**
- 3 **Oxygen Analysis Port**
- 4 **DISS Fitting**



## ACCESSORIES

 Included

 Optional Add-Ons



**Max-550E Flow Diverter**  
R228P41-001



**2-in-1 Muffled Adapter**  
R219P50-100



**1.5" 90° DISS Elbow**  
RP11P20



**Green DISS Barbed Fitting**  
RP11P34



**White DISS Barbed Fitting**  
RP11P33



**Clear DISS Barbed Fitting**  
RP11P35



**MaxO<sub>2</sub>+A**  
R217P62



**MaxO<sub>2</sub> ME**  
R230P01



DESIGNED FOR BLENDERS

# Added Accuracy & Space Savings With A DFB Flow Meter



DFB flow meters were designed for blenders, displaying a dual scale which combines two flow ranges into one flow meter.

The dual-scale increments allow clinicians to use two flow ranges in one flow meter, meaning it can be used with a range of patient populations, eliminating the need for more equipment. Having a durable acrylic dual-scale flow meter and an oxygen analysis port together in one device, the BlenderBuddy 2 creates more space savings for clinicians and helps alleviate the time spent reprocessing and setting up devices.

When higher flows are being delivered, a pressure drop often occurs resulting in a set flow rate error of up to 11% on a standard flow meter. This means the flow rate could become less accurate as flow rates are increased. The DFB flow meter is calibrated to account for the pressure drop so the assumed flow being delivered remains accurate.



## Confidence in What's Being Delivered

- It's recommended and stated in literature from AARC<sup>(1)</sup> and the European Respiratory Society, that delivered gas should be checked by a calibrated analyzer frequently; Once a day in most instances. The BlenderBuddy 2 gives caregivers the ability to spot check prescribed gas easily and accurately.
- The built-in oxygen analysis port is upstream from the patient and other delivery systems. This keeps the oxygen analyzer free from humidity or other contaminants downstream.

FOOTNOTE: (1) AARC Clinical Practice Guideline: Oxygen Therapy for Adults in the Acute Care Facility. (2002). Respiratory Care Journal, 47(6), 719.

## Integration Keeps Oxygen Delivery Set-Up in One Place

- With a combined set-up, the chances of equipment going missing are reduced since a completed set-up for oxygen delivery and analysis are in one integrated solution.
- The dedicated oxygen analysis port and integrated flow meter keeps your equipment exactly where it needs to be; connected to the blender. Whether the blender is mounted on a wall or pole, allowing the products to be attached reduces the chance of pieces and parts being misplaced, ensuring everything that's needed for O<sub>2</sub> analysis stays in place.

## Complete Your Set-Up

- The BlenderBuddy 2 includes a built-in DFB flow meter, and can be purchased with or without a MaxO<sub>2</sub>+A oxygen analyzer.
- The BlenderBuddy 2 is also compatible with the MaxO<sub>2</sub>+ AE oxygen analyzer to spot-check oxygen or it could be used with the MaxO<sub>2</sub> ME oxygen monitor to include alarms in an oxygen delivery set-up.
- Pole, rail, and wall mounts and additional accessories for this product are available to purchase separately.



## TECHNICAL SPECIFICATIONS

Measurement Range.....	0-100%
Resolution.....	0.1%
Accuracy and Linearity.....	1% of full scale at constant temperature, R.H. and pressure when calibrated at full scale
Total Accuracy.....	±3% actual oxygen level over full operating temp 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 mBars
Humidity.....	0-95% (non-condensing)
Power Requirements.....	2, AA Alkaline batteries (2 x 1.5 Volts)

Battery Life.....	approximately 5000 hours with continuous use
Low Battery Indication.....	"BAT" icon displayed on LCD
Sensor Type.....	Maxtec Max-250 series galvanic fuel cell
Expected Sensor Life.....	> 1,500,000 O <sub>2</sub> percent hours minimum (2-year in typical medical applications)
Drift of Measurement.....	< +/-1% of full scale at constant temperature, pressure and humidity
A Model Dimensions.....	3.0"(W) x 4.0"(H) x 1.5"(D) [76mm x 102mm x 38mm]
A Weight.....	0.4 lbs. (170g)
AE Model Dimensions.....	3.0"(W) x 36.0"(H) x 1.5"(D) [76mm x 914mm x 38mm] ] Height includes external cable length (retracted)
AE Weight.....	0.6 lbs. (285g)