



# OEM Airway Flow System

Revision 1.00.02

## Product Information and Specifications

### Adult / Ped Respiratory Mechanics Measurement System

- Lowest Added Airway Resistance**
- Pressure, Density and Temperature Compensated**
- Pre-Calibrated, No User Calibration**
- Field Replaceability**
- Sidestream CO<sub>2</sub> Upgradable**

Operating Principle:	Differential Pressure
Flow Sensor Type:	Proprietary Fixed Orifice, disposable single patient use
Flow Range:	± 2 - 180 lpm
Added Resistance:	1 cmH <sub>2</sub> O @ 60 lpm (Adult EZ-Flow)
Installed Dead Space:	6.9 ml (Adult EZ-Flow)
Pressure Range:	± 180 cmH <sub>2</sub> O
Accuracy:	± 5% of reading or 0.5 lpm whichever is greater *
Dimensions:	Flow Sensor: 2.5" L, 15mm ID x 22mm OD connections
	PCB: 4" L x 2.5" W x 1.00" H
Weight:	Flow Sensor: < 10.0 Grams
	PCB: < 75.0 Grams
Operating Temperature Range:	5° C to 50° C
Shipping / Storage Temperature Range:	-40° C to 70° C
Input Voltage:	5 Volts (± 5%)
Power Consumption:	< 1000 mWatts
Warm-up Time:	2 - 5 seconds
Pneumatic Connection:	2 meters Tri tubing, 0.055" ID 0.105" OD to connector
Interface:	Bi-directional digital serial communication
Waveforms:	Airway Flow, Pressure and Volume
Calculated Parameters, Meteor only:	Insp / Exp Vt, PIFR and PEFR, MV, PIP, PEEP, MAP, Pplat, Pzero, RES <sub>airway</sub> , COMP <sub>dyn/stat</sub> , I:E Ratio and times, RR, RSBI.

Modules available without purge system for ventilator 'spot' check handheld applications. Purge system required for applications of greater than 4 hours continuous usage at BTPS conditions. Power requirements are increased by 30% with purge system.

