APPENDIX I - OEM CO2 Sidestream Module Configuration Checklist

Parameter	Select One From Each Category	Comments
Comm. Baudrate	☐ 9,600 baud	
	☐ 19,200 baud	
	☐ 38,400 baud	*default, recommended*
Comm. Parity	☐ None	
	☐ Odd	
	☐ Even	*default, recommended*
Auto. Waveform Datarate[1]	☐ 0Hz	
	☐ 50Hz	*default at 9600 baud*
	☐ 100Hz	*default at 19200/38400 baud*
	☐ other _____	*0-100Hz*
Waveform Packet Configuration[1]	☐ CO2 and Baro	*default*
	☐ CO2 only	
Breath Parameters[1,2]	☐ OFF	*default*
	☐ ON, THREE	*RR, etCO2, insCO2*
	☐ ON, ALL	*RR, etCO2, insCO2, Ti, Te*
Floating Point Format[3]	☐ Motorola Fast FP	*default, recommended*
	☐ IEEE FP	
Gas Sample Flowrate[1,4]	☐ 50cc/min	
	☐ 75cc/min	
	☐ 100cc/min	*default*
	☐ 150cc/min	
	☐ 200cc/min	
	☐ other _____	*0, 50-250cc/min*
Breath Averaging (RR)	☐ 1 breath	
	☐ 2 breaths	*default*
	☐ 4 breaths	
	☐ other _____	*1-8 breaths*
Automatic Calibration Configuration	☐ All Enabled	*default, recommended*
	☐ Disable calibrations performed at 1, 2, 5, 10, and 15 minutes after powerup	
	☐ Disable calibrations performed after every 30 minutes of operation	
	☐ Disable calibrations based on Temperature Drift	
	☐ Disable calibrations based on Temperature Slew Rate	
	☐ Disable calibrations based on major Atmospheric Pressure change	
	☐ Disable calibrations based on Infrared Detector voltage too high	
Maximum Reported CO2 Concentration	☐ 100 mmHg	*default*
	☐ 180 mmHg	
	☐ other _____	
Baseline Bashing (insCO2)	☐ 0 mmHg	
	☐ 1 mmHg	*default*
	☐ 2 mmHg	
	☐ other _____	*1-5 mmHg*
Watertrap Detection System[5]	☐ Enabled	
	☐ Disabled	*default*

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[1] Can be changed on-the-fly using the appropriate serial communication command. Set to 0Hz in order to operate in waveform polling mode.
[2] OFF=will not send RR, etCO2, insCO2, Ti, and Te at end of each breath. ON= will send RR, etCO2, insCO2, Ti, and Te at end of each breath.
[3] Motorola format has typically shorter computation time. IEEE format is available for systems where host compiler only supports this format. The PC software provided by TreyMed requires Motorola format.
[4] 100cc/min is recommended for applications where adult, pediatric or neonate patients may be monitored. 150-200cc/min is recommended where faster waveform response time is desired.
[5] Connector J3 can be used to power and monitor circuitry to detect whether a watertrap or patient sample line is attached to the monitor. Evaluation kits do not have watertrap detection circuits, but this feature can be utilized in the final product configuration.