

# CARDIOPULMONARY TECHNOLOGIES, INC.

## OEM Compact CO2 Waveform Analyzer

### APPENDIX I - OEM CO2 Sidestream Module Configuration Checklist

Customer: \_\_\_\_\_

Parameter	Select One From Each Category	Comments
Comm. Baudrate	19,200 baud 38,400 baud	<i>default, recommended</i>
Comm. Parity	None Odd Even	<i>default, recommended</i>
Auto. Waveform Datarate <sup>1</sup>	0Hz 50Hz 100Hz other _____	<i>default</i> <i>0-100Hz</i>
Waveform Packet Configuration <sup>1</sup>	CO2 and Baro CO2 only	<i>default</i>
Breath Parameters <sup>1,2</sup>	OFF ON, THREE ON, ALL	<i>default</i> <i>RR, etCO2, insCO2</i> <i>RR, etCO2, insCO2, Ti, Te</i>
Floating Point Format <sup>3</sup>	Motorola Fast FP IEEE FP	<i>default, recommended</i>
Gas Sample Flowrate <sup>1,4</sup>	75cc/min 100cc/min 150cc/min 200cc/min other _____	<i>default</i> <i>0, 75-250cc/min</i>
Breath Averaging (RR)	1 breath 2 breaths 4 breaths other _____	<i>default</i> <i>1-8 breaths</i>
Automatic Calibration Configuration	All Enabled 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	<i>default, recommended</i>
Maximum Reported CO2 Concentration	100 mmHg 180 mmHg other _____	<i>default</i>
Watertrap Detection System <sup>5</sup>	Enabled Disabled	<i>default</i>

<sup>1</sup>Can be changed on-the-fly using the appropriate serial communication command. Set to 0Hz in order to operate in waveform polling mode.

<sup>2</sup>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.

<sup>3</sup>Motorola format has typically shorter computation time. IEEE format is available for systems where host compiler only supports this format. The PC demonstration software provided by CPT requires Motorola format.

<sup>4</sup>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.

<sup>5</sup>Connector J4 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.