



# Critical Environment Technologies

Unit 145, 7391 Vantage Way Delta, BC, Canada V4G 1M3

phone 604-940-8741 fax 604-940-8745

www.critical-environment.com

## BST-MCO & BST-MCO-W SPECIFICATION SHEET

### BACnet TRANSMITTERS WITH ELECTROCHEMICAL CARBON MONOXIDE SENSORS

<b>Dimensions:</b>	<b><u>Standard Enclosure</u></b>	<b><u>Optional Watertight Enclosure</u></b>
	Size: 4.5" x 6.1" x 2.6" (115mm x 155mm x 66mm) Weight: 9 ounces (255 g) * Optional duct sampling kits available for duct monitoring	Size: 5" X 5" X 3" (125mm x 125mm x 75mm) Weight: 12 ounces (340 g)
<b>Construction:</b>	Rugged PVC (with hinged door)	Rugged Polycarbonate (with hinged door)
<b>Sensors:</b>	Type: electrochemical Calibration: one to two times per year (application dependent)	
<b>Sensor Range:</b>	Carbon Monoxide: 0 to 200 ppm • <i>Other ranges are also available.</i>	
<b>Sensor Life Span:</b>	Approximately two to three years "plus" in clean, ambient air environment.	
<b>System Power:</b>	VDC: 18 to 30 VDC (approximately 50 to 60 mA current draw)	
<b>Temperature:</b>	-20° C to 50° C    -5° F to 120° F	
<b>Humidity:</b>	10% to 95% non-condensing	
<b>Signal:</b>	Digital output on BACnet MSTP communication bus, linear over entire sensor range	
<b>Repeatability:</b>	+/- 2% of signal	
<b>Cross sensitivity:</b>	Hydrogen and very high concentrations of Carbon Dioxide	
<b>Visual Indicators:</b>	LED (green) power indicator LED alarm indication	
<b>Fusing:</b>	Automatic resetting thermal overload fuse	
<b>Wiring:</b>	Communication - 18 gauge twisted pair, shielded Power – two conductor 16 gauge stranded	
<b>Sensor Mounting:</b>	Carbon Monoxide (slightly lighter than air):	4' to 6' from floor
<b>Notes:</b>	1) Never install gas detection sensors in the direct path of moving air, such as exhaust fans, make-up air fans, elevator shafts, ramps, ducts, etc. For duct applications use duct kit. 2) If vandalism is a concern, heavy metal transmitter guards are available.	