



## 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

### AST-ESO-W SPECIFICATION SHEET

#### ANALOG TRANSMITTERS WITH ELECTROCHEMICAL SULPHUR DIOXIDE SENSORS

<b>Dimensions:</b>	Size: 4.9" x 4.9" x 2.9" (125mm x 125mm x 75mm)
<b>Weight:</b>	12 ounces (340 g) * Optional duct sampling kits available for duct monitoring (NEMA-4X only)
<b>Construction:</b>	Rugged Polycarbonate with hinged door (water / dust tight, corrosion resistant)
<b>Sensors:</b>	Type: electrochemical Calibration: one to four times per year (application dependent)
<b>Sensor Range:</b>	Sulphur Dioxide: 0 to 20 ppm • Other ranges are also available.
<b>Sensor Life Span:</b>	Approximately 2 years in clean, ambient air environment.
<b>System Power:</b>	VDC: 20 to 30 VDC VAC: 16 - 28 VAC (approximately 40 to 55 mA current draw)
<b>Temperature:</b>	-20° C to 50° C -5° F to 120° F
<b>Humidity:</b>	15% to 95% non-condensing
<b>Signal:</b>	4 - 20 mA, linear over entire sensor range Optional 0 – 10 V
<b>Resolution:</b>	1 ppm
<b>Visual Indicators:</b>	LED (green) power indicator, visible through label window Optional: Local LED digital display (4 character)
<b>Relay:</b>	Optional: One field settable, S.P.D.T. dry contact rated 2 A @ 28VDC or VAC
<b>Fusing:</b>	Automatic resetting thermal overload fuse (reset capabilities to 500 times)
<b>Wiring:</b>	18 - 22 gauge wire (3-conductor for VDC, 4-conductor for VAC applications)
<b>Sensor Mounting:</b>	Heavier than air, 6" from floor
<b>Cross Sensitivity:</b>	CL2, NO2, NO