



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-ECL SPECIFICATION SHEET

ANALOG TRANSMITTERS WITH ELECTROCHEMICAL CHLORINE SENSORS

Dimensions:	Size: 4.9" x 4.9" x 2.9" (125 mm x 125 mm x 75 mm)
Weight:	12 ounces (340 g) <ul style="list-style-type: none">• Optional duct sampling kits available for duct monitoring
Enclosure:	Rugged Polycarbonate with hinged door (water / dust tight, corrosion resistant)
Sensors:	Type: electrochemical Calibration: one to four times per year (application dependent)
Sensor Range:	Chlorine: 0 to 5 ppm <ul style="list-style-type: none">• Other ranges are also available. Contact CET regarding other gases.
Sensor Life Span:	Approximately 2 years in clean, ambient air environment.
System Power:	VDC: 20 to 30 VDC VAC: 16 - 28 VAC (approximately 40 to 55 mA current draw)
Temperature:	-20° C to 50° C -5° F to 120° F
Humidity:	15% to 95% non-condensing
Signal:	4 - 20 mA, linear over entire sensor range Optional 0 – 10 V
Resolution:	0.1 ppm
Sensitivity Drift:	< 10% per 6 months
Visual Indicators:	LED (green) power indicator, visible through label window Optional: Local LED digital display (4 character)
Relay:	Optional: One field settable, S.P.D.T. dry contact rated 2 A @ 28VDC or VAC
Fusing:	Automatic resetting thermal overload fuse (reset capabilities to 500 times)
Wiring:	18 - 22 gauge wire (3-conductor for VDC, 4-conductor for VAC applications)
Sensor Mounting:	Heavier than air, 6" from floor
Cross Sensitivity:	NO ₂ @ 10 ppm = 1.2 ppm ClO ₂ @ .25 ppm = 0.05 ppm