



Critical Environment Technologies

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AST-EHS SPECIFICATION SHEET

ANALOG TRANSMITTERS WITH ELECTROCHEMICAL HYDROGEN SULPHIDE SENSORS

Dimensions:	<u>Standard Enclosure</u> Size: 5" X 5" X 3" (125mm x 125mm x 75mm) Weight: 12 ounces (340 g) * Optional duct sampling kits available for duct monitoring (watertight only)
Construction:	Rugged Polycarbonate (with hinged door)
Sensors:	Type: electrochemical Calibration: one to four times per year (application dependent)
Sensor Range:	0 to 50 ppm • Other ranges are also available. Contact C.E.T. regarding gases not listed above.
Sensor Life Span:	Approximately three years in clean, ambient air environment.
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 or 0 – 10 V, linear over entire sensor range
Resolution:	0.5 ppm
Cross sensitivity:	SO ₂ , CO, NO, NO ₂ , CL ₂
Visual Indicators:	LED (green) power indicator (standard) Optional: Local LED digital display (4 character)
Relays:	Option: One field settable, SPDT dry contact rated 2 amps @ 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:	Breathing zone 4 to 6 feet from the floor
Notes:	1) Never install gas detection sensors in the direct path of moving air, such as exhaust fans, make-up air fans, ducts, etc. For duct applications use duct kit. 2) If vandalism is a concern, heavy metal (16 gauge) transmitter guards are available. They are easily installed over the transmitters.