



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-EH2 & AST-EH2-W SPECIFICATION SHEET

ANALOG TRANSMITTERS WITH ELECTROCHEMICAL HYDROGEN SENSORS

| Dimensions: | <u>Standard Enclosure</u> | <u>Optional Watertight Enclosure</u> |
|---------------------------|--|---|
| | Size: 4.5" x 6.1" x 2.6" (115mm x 155mm x 66mm) Weight: 9 ounce (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) |
| Construction: | Rugged PVC (with hinged door) | Rugged Polycarbonate (with hinged door) |
| Sensors: | Type: electrochemical Calibration: one to four times per year (application dependent) | |
| Sensor Range: | Hydrogen (H ₂): 0 to 2000 ppm • Other ranges are also available. | |
| Sensor Life Span: | Approximately 2 – 3 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 90% non-condensing | |
| Signal: | 4 - 20 mA linear over entire sensor range Optional 0 – 10 VDC | |
| Resolution: | 1 ppm | |
| Visual Indicators: | LED (green) power indicator (standard) Optional: Local LED digital display (4 character) | |
| Relays: | Optional: 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: | On or near the ceiling | |