



Critical Environment Technologies

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DST-EAM & DST-EAM-W SPECIFICATION SHEET

DIGITAL TRANSMITTERS WITH HVAC ELECTROCHEMICAL AMMONIA 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 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)
Construction:	Rugged PVC (with hinged door)	Rugged Polycarbonate (with hinged door)
Sensors:	Type: electrochemical Calibration: one to two times per year (application dependent)	
Sensor Range:	Ammonia: 0 to 500 ppm	
Sensor Life Span:	Up to two years in clean, ambient air environment.	
System Power:	VDC: 20 to 30 VDC (approximately 40 to 55 mA current draw)	
Temperature:	-40° C to 50° C -40° F to 120° F	
Humidity:	10% to 95% non-condensing	
Signal:	Digital output on RS-485 communication bus, linear over entire sensor range	
Resolution:	Better than 8 ppm	
Sensitivity drift:	< 5% per six months	
Cross sensitivity:	Amines	
Visual Indicators:	LED (green) power indicator LED alarm indication	
Fusing:	Automatic resetting thermal overload fuse (reset capabilities to 500 times)	
Wiring:	Communication - 18 gauge twisted pair, shielded Power – two conductor 14 gauge stranded	
Sensor Mounting:	On or near the ceiling	
Notes:	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 (16 gauge) transmitter guards are available. They are easily installed over the transmitters.	