



Critical Environment Technologies

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AST-CCB-W SECOND GENERATION TRANSMITTERS SPECIFICATION SHEET

ANALOG TRANSMITTERS WITH CATALYTIC SENSORS

Dimensions:	<u>Standard Watertight 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
Construction:	Rugged Polycarbonate (with hinged door)
Sensors:	Type: Catalytic Pellister Temperature compensated Life span: approximately 5 years Calibration: one to two times per year (application dependent)
Sensor Range:	Combustible gases: Catalytic sensor 0 – 100% LEL * Calibrated for Methane, Propane, Hydrogen or other combustibles
System Power:	VDC: 16 to 30 VDC VAC: 12 - 30 VAC (approximately 80 to 120 mA current draw)
System Circuit:	Microprocessor based, with temperature compensation
Temperature:	-20 C. to +40 C. (-4 F. to +104 F)
Humidity:	0 to 90% non-condensing
Indicators:	Optional local LED digital display (3.5 digit)
Signal:	* 4 - 20 mA or 0 – 10 V linearized output (jumper selectable) * Optional: one dry contact relay (2 amps @ 30V S.P.D.T.) * Fail signal: drops to "0" mA if sensor is removed or burned out
Repeatability:	+/- 1% of measured signal (catalytic sensor)
Cross sensitivity:	Catalytic combustible sensor: Responds to all combustible gases & vapours
Fusing:	Automatic resetting thermal overload fuse (reset capabilities to 500 times)
Wiring:	18 - 20 gauge wire (3-conductor for VDC, 4-conductor for VAC applications)
Sensor Mounting:	Mounting height varies according to target gas