

The AST-X series are rugged, reliable analog transmitters available with electrochemical or catalytic sensors to detect a wide range of gases. Explosion-proof housings are used to meet the requirements of many different applications. AST-X transmitters feature 4 to 20 mA or 0 to 10 VDC linear output signals, automatic thermal resetting fuse and LED indicators for power, sensor status and alarm condition. There is an optional relay board with field adjustable setpoint. Calibration and maintenance procedures are simple and are easily performed in the field. Housings are available with or without window.

AST - _ _ _ - X _ _ _

SENSOR TYPE			
Catalytic Pellistor	<input type="checkbox"/>	<input type="checkbox"/>	C
Electrochemical Toxic	<input type="checkbox"/>	<input type="checkbox"/>	E
Electrochemical Oxygen	<input type="checkbox"/>	<input type="checkbox"/>	O
GAS TYPE			
Ammonia (NH ₃)	<input type="checkbox"/>	<input type="checkbox"/>	AM
Combustible Gas / Vapours	<input type="checkbox"/>	<input type="checkbox"/>	CB
Chlorine (Cl ₂)	<input type="checkbox"/>	<input type="checkbox"/>	CL
Carbon Monoxide (CO)	<input type="checkbox"/>	<input type="checkbox"/>	CO
Ethylene Oxide (ETO)	<input type="checkbox"/>	<input type="checkbox"/>	ET
Hydrogen (H ₂)	<input type="checkbox"/>	<input type="checkbox"/>	H ₂
Hydrogen Sulphide (H ₂ S)	<input type="checkbox"/>	<input type="checkbox"/>	HS
Nitrogen Dioxide (NO ₂)	<input type="checkbox"/>	<input type="checkbox"/>	ND
Nitric Oxide (NO)	<input type="checkbox"/>	<input type="checkbox"/>	NO
Oxygen (O ₂)	<input type="checkbox"/>	<input type="checkbox"/>	O ₂
Ozone (O ₃)	<input type="checkbox"/>	<input type="checkbox"/>	O ₃
Sulphur Dioxide (SO ₂)	<input type="checkbox"/>	<input type="checkbox"/>	SO
OPTIONS			
Explosion-proof Housing	<input type="checkbox"/>	<input type="checkbox"/>	X
Relay	<input type="checkbox"/>	<input type="checkbox"/>	R
Splash Guard	<input type="checkbox"/>	<input type="checkbox"/>	S
Transparent Window in cover	<input type="checkbox"/>	<input type="checkbox"/>	T

SPECIFICATIONS

HOUSINGS

Standard Cast Aluminum - solid cover
 Size 5" x 8" x 4.5"
 125 mm x 200 mm x 115 mm
 Weight 2.9 pounds 1.3 kg

Optional

Cast Aluminum - window cover
 Size 5" x 8" x 4.5"
 125 mm x 200 mm x 115 mm
 Weight 2.9 pounds 1.3 kg

POWER REQUIREMENT

20 to 30 Volts DC or
 16 to 28 Volts AC

ANALOG OUTPUTS

Linear 4 to 20 mA signal
 Linear 0 to 10 VDC signal (jumper selectable)

RELAY OUTPUT

Optional relay board
 1 relay rated 2 A @ 28V SPDT

WIRING

VDC Three conductor shielded
 VAC Four conductor shielded

FUSES

Automatic resetting thermal

OPERATING TEMPERATURE

0 to 40 degrees C sensor dependant
 32 to 100 degrees F sensor dependant

HUMIDITY

10 to 95% RH non condensing sensor dependant

CERTIFICATION

Housing: CSA/UL Class 1 Div 1 Groups ABCD
 Catalytic head: CSA/UL Class 1 Div 1
 Toxic sensor housing: designed to meet
 CSA/UL standards

Authorized Distributor:

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