

ATW Two Wire Analog Transmitters



Standard Housing



Watertight Housing

The ATW series are rugged, reliable loop powered analog transmitters available with several electrochemical sensors to detect a wide range of gases.

ATW transmitters convert the raw signal from a sensor into a useful output that can be sent to a controller or building automation system.

The standard housing is rugged PVC and an optional watertight polycarbonate housing is available to suit different applications.

ATW transmitter features:

- 4-20 mA linear output signal
- thermal resetting fuse
- LED indicator for power and alarm status
- temperature compensation
- automated calibration
- calibration due notification
- sensor self-test

Calibration and maintenance procedures are simple and are easily performed in the field.

Loop powered

Sensor self-test built in

Power requirement 12 to 28 VDC

Wiring: 2 conductor 18 gauge shielded

Gases Detected:

CO, NO₂, Ammonia, Chlorine, Ozone, H₂S
Oxygen, NO, SO₂, Hydrogen, ETO

Applications:

Vehicle exhaust - parking garages, repair shops

Arenas - Ammonia, CO, NO₂

Pools - Chlorine, Ozone

Food plants - Ammonia

... and many more

ATW Two Wire Analog Transmitters

SENSOR TYPE

Electrochemical Toxic
HVAC Electrochemical (CO only)
Electrochemical Oxygen

GAS TYPE

Ammonia (NH₃)
Carbon Monoxide (CO)
Chlorine (Cl₂)
Ethylene Oxide (ETO)
Hydrogen (H₂)
Hydrogen Cyanide (HCN)
Hydrogen Sulphide (H₂S)
Nitrogen Dioxide (NO₂)
Nitric Oxide (NO)
Oxygen (O₂)
Ozone (O₃)
Sulphur Dioxide (SO₂)

OPTIONS

Duct Sampling Probe
Environmental Protection - Circuit Board
Splash Guard (Watertight enclosure only)
Watertight Polycarbonate Enclosure

OTHER CET TRANSMITTERS

Infrared CO₂ - Industrial and HVAC
Infrared Hydrocarbons
Infrared Refrigerants
Explosion proof Transmitters

E
M
O

EAM
MCO
ECL
EET
EH2
EHN
EHS
END
ENO
OO2
EO3
ESO

D
E
S
W

SPECIFICATIONS

ENCLOSURES

Standard	General Purpose PVC
Size	4.5" x 6.1" x 2.6" 114 mm x 156 mm x 65 mm
Weight	9 ounces 148 grams

Optional	Watertight Polycarbonate
Size	4.9" x 4.9" x 2.6" 125 mm x 125 mm x 65 mm
Weight	9 ounces 148 grams

POWER REQUIREMENT
12 to 28 Volts DC

CURRENT DRAW
22 mA maximum

OUTPUTS
Linear 4 to 20 mA signal

WIRING
Loop powered
Two conductor, 18-20 gauge shielded

FUSE
Automatic resetting thermal

OPERATING TEMPERATURE
-20 to +40 degrees C sensor dependant
-5 to 104 degrees F sensor dependant

HUMIDITY
15 to 95% RH non condensing sensor dependant

CERTIFICATION
CE pending



Critical Environment Technologies Canada Inc.
145 - 7391 Vantage Way, Delta BC Canada V4G 1M3
Phone 604-940-8741 Fax 604-940-8745
Toll free 877-940-8741
www.critical-environment.com