

COMBUSTIBLE GAS MODULE

MODEL TOX-COMB/ANA

TYPICAL INSTALLATIONS:

Battery Charging

- *Office Building
- *Warehouses
- *Golf Courses

Vehicle Storage

- Boiler Room
- Gasoline Storage
- Laboratories

Maintenance Garages

- Waste Water Treatments
- Underground Utility
- Chemical Plants

Airport Hangers

GENERAL DESCRIPTION:

The Model Tox-Comb/ANA Combustible Transmitter/Sensor Module is designed to interface with Toxalert Models Tox-4ANA and ToxControl controllers. It can also interface with PLC/DDC building automation systems using standard 4-20mA loop controllers.

The Model Tox/Comb/ANA is highly reliable and very cost effective for the detection of common combustible gas hazard applications. The module requires a three wire connection to controller which provides the nominal 24 VDC power and the module sources a 4-20mA current in proportion to the combustible gas concentration.

The Model Tox-Comb/ANA can be used either indoors or outdoors. The flame arrester utilizes a patented coating which makes it water repellent. Also, splash guard and duct mounting accessories are available.



TOX-COMB/ANA

STANDARD FEATURES:

- Catalytically aided platinum bead sensor
- 0-100% LEL range
- Poison resistant sensor standard
- Water repellent patented sensor coating
- Linear 4-20mA output
- % LEL readout provided during calibration- using any volt meter
- Indoor or outdoor use
- Explosion proof construction (Class 1, Div. 1, Groups B,C,D).

SPECIFICATIONS:

SENSOR

Type: Catalytically aided platinum bead
Range: 0-100 LEL
Response: 90% in 45 seconds
Typical Life: Three years in normal service
Zero Drift: Less than 5% per year

ELECTRICAL DATA

Wiring: 3 wire non-insolated
Input Voltage: 11-30 VDC
Input Current: 200 mA at 24 VDC
Input Power: 2.3W
Output: 4 to 20 mA
Loop Resistance: 800 Ohms

CALIBRATION

Adjustments: Zero, span
Test Points: Current, voltage, output

ENVIROMENTAL (TEMPERATURE)

Operating: -40° F to 185° F (-40° C to 85°C)
Humidity: 0-99% RH, non condensing

CONSTRUCTION

Electrical Class: Class 1, Div., Groups B,C & D
Mounting: Conduit or flexible cable
Physical: 7.25" x 3.5" x 3.5"
(18.4 cm x 8.9 cm x 8.9 cm)
Weight: 1.5 pounds (0.68 kg)
Housing: Cast Aluminum

Partial List of Available Combustible Gases

Acetic Acid
Acetone
Acetylene
Butane
Iso-Butane
Butene-1
iso-Butyle Alcohol
ios-Butyl Benzene
Dimethylpentane
Ethane

Ethyl Acetate
Ethyl Alcohol
Ethylene
Diethyl Ether
Dimethyl Ether
Heptane
Hexane
Hydrogen
Methane
Methyl Acetate

Methyl Alcohol
Methylethyl Ketone
Natural Gas
Octane
Pentane
Propane
Propyl Alcohol
Toluene
Xylene
JP-4 (Jet Fuel)

AVAILABLE ACCESSORIES

- * Calibration adaptors
- * Remote sensor option
- * Splash Guards
- * Duct mount kit
- * Calibration Kits
- * Remote horns & strobes



Splash Guard



Strobe Light



CalKit