

COMBUSTIBLE GAS MODULE

MODEL TOX-COMB/ANA

APPLICATIONS –

- Battery Charging
 - Office Buildings, UPS Rooms
 - Warehouses – Electric Forklift Charging
 - Golf Courses – Electric Golf Cart Charging
- Compressed Natural Gas (CNG) – Vehicle Storage
- Boiler Room – Natural Gas Leaks
- Military & Commercial Airport Hangers – Jet Fuels
- Laboratories – Natural Gas
- Gasoline Storage
- Waste Water Treatment Plants
- Gas & Oil Operations
- Underground Utility Vaults/Huts
- Chemical/Petrochemical Plants



TOX-COMB/ANA

PRODUCT 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 24VDC 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.

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: 2.3 W
Output: 4 to 20mA signal
Loop Resistance: 800 Ohms

CALIBRATION

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

ENVIRONMENTAL (TEMPERATURE)

Operating: -40° to 185° F (-40° 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	Ethyl Acetate	Methyl Alcohol
Acetone	Ethyl Alcohol	Methylethyl Ketone
Acetylene	Ethylene	Natural Gas
Butane	Diethyl Ether	Octane
Iso-Butane	Dimethyl Ether	Pentane
Butene-1	Heptane	Propane
iso-Butyle Alcohol	Hexane	Propyl Alcohol
ios-Butyl Benzene	Hydrogen	Toluene
Dimethylpentane	Methane	Xylene
Ethane	Methyl Acetate	JP-4 (Jet Fuel)

Available Accessories



Splash Guard

- Calibration adaptors
- Remote sensor option
- Splash guards
- Duct mount kit
- Calibration kits
- Remote horns & strobes



Strobe Light



Calibration Adaptor



CalKit