



## Environmental System T-Gas MCD Multiple Channel Toxic Gas Monitors



The Environmental System T-GAS MCD, Multiple Channel Detection monitors are advanced "Early Warning" active air-draw sampling systems designed specifically for the monitoring of Toxic Gases.

SenTech's T-GAS MCD, Multiple Channel Detection models are cost effective, self-contained active air-draw sampling systems offering highly reliable performance with the flexibility to satisfy a wide range of continuous monitoring applications. The T-GAS Multiple Channel Detection monitors utilize Electrochemical Technology featuring multi-zone detection point capability from a single field-programmable self-contained metal enclosure.

SenTech's T-GAS MCD Series utilize sensors with long-term stability, excellent selectivity, and multi-zone detection point capability from a single field-programmable self-contained metal enclosure. The T-GAS MCD multiple channel architecture is available in single, four, eight and sixteen zones, each zone is capable of air-sampling from up to 250 ft. for a specific gas. In addition, the T-GAS MCD Series features extra remote sensing capabilities for up to four additional remote transmitters offering an unique configuration that allow the T-GAS MCD Series to be set up as a Multi-Gas monitor for the following combination of toxic gases:

O<sub>2</sub>, H<sub>2</sub>S, CO, Cl<sub>2</sub>, HCN, H<sub>2</sub>, NO<sub>2</sub>, NO, HCl, SO<sub>2</sub>, ETO,  
O<sub>3</sub>, F<sub>2</sub>, NH<sub>3</sub>, HF, ClO<sub>2</sub>, AsH<sub>3</sub>, PH<sub>3</sub>, SiH<sub>4</sub>.

*Call for additional information on the T-GAS MCD, Multiple Channel Detection monitors and other SenTech single and multi-zone gas monitoring configurations.*



# Environmental System T-Gas MCD Multiple Channel Toxic Gas Monitors

## FEATURES

- Multiple zones (1, 4, 8, 16 zones)
- Active air draw sampling system - Sampling distance of 250 ft (500 ft coverage)
- Multiple channel architecture allows combined multiple gas detection configurations
- Four line digital display w/keypad for programming and operation
- Three alarm levels (Four 5 amp contacts per relay)
- Visual indication of alarm levels and system malfunction
- Separate programmable horn alarm relay
- Setup function and keypad access password protected to prevent tampering
- 0-10 vdc analog output
- Optional Nema 4 enclosure with keyed lock
- Optional individual zone alarm output to indicate alarm in each zone
- Optional four channel analog input for multiple channel detection operation
- Optional serial data output (RS 485 or RS 232)
- Optional remote control interface

## T-GAS MCD MODELS

- T-GAS 1 Series: O<sub>2</sub>, H<sub>2</sub>S, CO Cl<sub>2</sub>, HCN, H<sub>2</sub>, NO<sub>2</sub> (or) NO
- T-GAS 2 Series: HCl, SO<sub>2</sub> & ETO
- T-GAS 3 Series: O<sub>3</sub>, F<sub>2</sub>, & NH<sub>3</sub>
- T-GAS 4 Series: HF & ClO<sub>2</sub>
- T-GAS 5 Series: AsH<sub>3</sub>, PH<sub>3</sub> & SiH<sub>4</sub>

## ACCESSORIES

- Remote transmitters
- Air-sampling pickup tubing
- Strobe light, Horn, Combo
- Calibrated test gas kit

## SPECIFICATIONS

### Sensitivity

(Sensor Specific)

### Weight

32 lbs, (14.4 Kgs)

### Dimensions

W 16.5in x H 15in x D 6.75in  
(42cm x 38.1cm x 17cm)

### Power Requirements

120/240 Volt 50/60 Hz

### Range

(Sensor Specific)

### Humidity Range

5 to 90% RH typical

### Alarm Trip Points

Low Alarm 0 to 100% of Full Scale

Main Alarm 0 to 100% of Full Scale

High Alarm 0 to 100% of Full Scale

### Operating Environmental Range

32° - 125° Fahrenheit

0° - 50° Celsius

### Alarm Outputs

Indicator Light

Alarm Relays with 4 Form C contacts

(5 amps maximum)

RS 485 or RS 232 computer interface

### Pressure Range

Atmospheric +/-10%

### SenTech Corporation

5745 Progress Rd.

Indianapolis, IN 46241

Tel: (888) 248-1988

Fax: (317) 248-2014

[www.sentechcorp.com](http://www.sentechcorp.com)