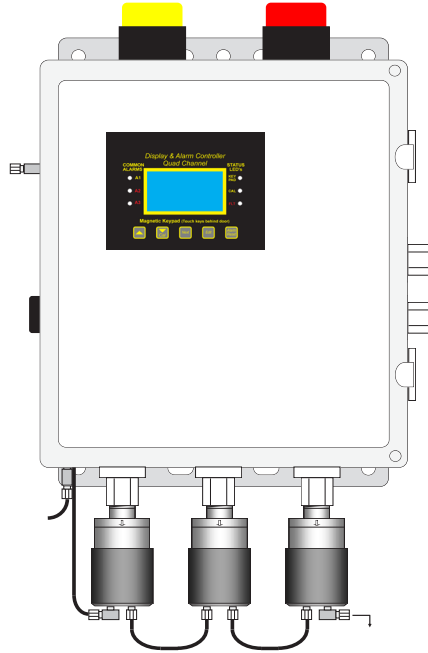


# C2-WWT Triple Gas Sample Draw Monitor

## Three-Channel Gas Monitor with Integrated Sample Draw Pump and Flow Monitor Circuitry

- Measures H<sub>2</sub>S, Oxygen and hydrocarbon LEL in a single unit
- Red and Amber LED strobes for high-visibility alarms
- Optional toxic sensors: Chlorine, Carbon Monoxide, Sulfur Dioxide
- High quality diaphragm sample pump with 24VDC brushless motor
- Flow monitoring with FAULT indication blockage or pump fail
- Operates on 110/220VAC or +24VDC Power (+12V optional)
- Eight programmable 5A relays for flexible alarm indication
- Prompted calibration and dedicated port for accurate setup
- External heads make sensor replacement fast and easy
- Works with sample lines up to 200 ft / 60 m in length
- Built-in Run / Calibrate valve for fast switching between sources
- Optional serial MODBUS or MODBUS/TCP interface
- Optional flow kit with float probe and 50' of Tygon flexible tubing
- Operate with magnetic wand or manual pushbuttons
- Manufactured in USA



### Remote Sampling Made Easy

The C2-WWT Triple-Gas Sample Draw Monitor is designed to accurately measure hydrogen sulfide, oxygen depletion and hydrocarbon combustibles in areas with limited accessibility or in situations where the installation of a standard diffusion sensor is difficult or impossible. The C2-WWT integrates three replaceable sensors, a long-life brushless sample pump, low flow warning indication and multi-channel controller with local display and eight programmable relays into a single convenient unit. The C2-WWT Triple-Gas unit can draw samples from locations up to 200 feet, and an optional tubing / float kit allows reliable use in areas where liquid may be present.

### Toxic Sensors

The C2-WWT Triple Gas Monitor uses two proven GDS-49 sensor transmitters

### DETECTABLE GASES:

Hydrogen Sulfide  
Oxygen  
Carbon Monoxide  
Sulfur Dioxide  
Chlorine  
Carbon Dioxide  
Methane  
Propane  
Hydrocarbon Combustibles

for the detection of toxic gases. Channel one is dedicated to H<sub>2</sub>S measurement while channel two can be configured for Oxygen, Carbon Monoxide, Sulfur Dioxide or Chlorine. Quick-connect fittings allow the sensor flow cells to be easily removed for sensor maintenance or replacement.

### Infrared Sensors

Channel three is reserved for an infrared sensor that can be configured for methane, propane or carbon dioxide gas. Propane sensors have a linear response to many hydrocarbons and can be re-calibrated to accurately measure a wide range of other hydrocarbons such as butane or pentane and even complex substances such as gasoline.

### Easy Calibration

The C2-WWT includes a built-in calibration procedure and handy Run/ Calibrate valve that makes applying test gas or performing calibrations fast and easy.

### Industrial Design

The C2-WWT is manufactured to the highest standards and is designed for continuous use in industrial applications.

### *The C2-WWT is ideal for sampling:*

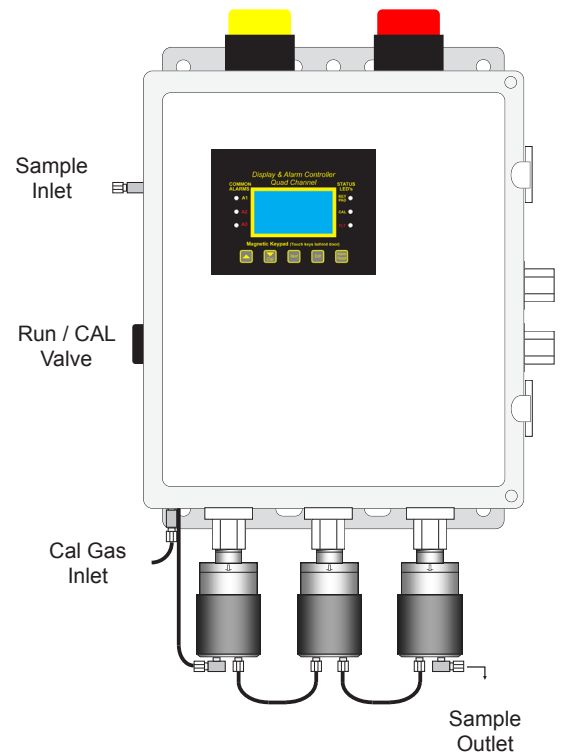
- *Sumps and enclosed areas*
- *Cabinets or storerooms with limited ventilation or airflow*
- *Air conditioning intake or exhaust plenums and ducts*
- *Water / waste water installations*

**GDS**  
**Corp**  
Gas and Flame Detection

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C2-WWT SPECIFICATIONS	
<b>Power Input</b>	110 / 220 VAC at less than 15 watts +24VDC at less than 15 watts Built-in 30W power supply provides up to 15 watts of additional power for external strobes or horns Optional +12V input (required different sample pump; contact GDS Corp for more details).
<b>Display</b>	High visibility monochrome display showing engineering units, alarm levels and trend data
<b>Visual Output</b>	Red and Amber LED strobes pre-wired to Relay 1 and Relay 2
<b>Audible Output</b>	Built-in programmable piezo buzzer
<b>Relay Output</b>	Eight programmable 5A SPDT relays (Ry 1 and Ry 2 pre-connected to LED strobes).
<b>Data Output</b>	Optional RS-485 serial MODBUS Optional MODBUS/TCP interface with RJ-45 Ethernet
<b>Channel 1 Sensor</b>	Toxic sensor for Hydrogen Sulfide. Ranges include 0-50 ppm, 0-100 ppm, 0-200 ppm and 0-500 ppm
<b>Channel 2 Sensor</b>	Toxic sensor for the following gases: Oxygen, 0-25% by volume; Carbon Monoxide 0-100 ppm; Sulfur Dioxide 0-100 ppm or Chlorine, 0-10 ppm
<b>Channel 3 Sensor</b>	Hydrocarbon infrared combustible sensor for 0-100% LEL methane, 0-100% LEL propane, 0-1000 ppm CO2 or 0-5000 ppm CO2
<b>Fault Monitoring</b>	Fault indication for any sensor fault or loss of flow due to blockage or pump failure.
<b>Sample Pump</b>	1.6L diaphragm pump with brushless 24VDC motor Sample draw tested with 250 ft of flexible Tygon tubing. (Delay in sample measurement proportional to tubing length) Recommended flow rate between 0.5 and 1.0 LPM
<b>Temp</b>	0°C to +55°C operating
<b>Enclosure</b>	Stainless steel enclosure or non-metallic enclosure
<b>Dimensions</b>	12"W x 22"H x 8"D
<b>Sample Inlet</b>	1/4" Swagelok compression, stainless steel
<b>Calibration Inlet</b>	1/4" OD stainless steel tubing with cap
<b>Sample Outlet</b>	Push-in fitting for 1/4" OD flexible tubing
<b>Approvals</b>	Designed for general purpose areas only
<b>Warranty</b>	1 year from date of purchase on sensors 2 years from date of purchase on electronics

C2-WWT Order Guide	
C2-WWT A-B-C-D[TAG][TCP][FLT]	
<b>"A"</b>	ENCLOSURE 1 = Stainless enclosure, no MODBUS 2 = Stainless enclosure with MODBUS 3 = Non-metallic enclosure, no MODBUS 4 = Non-metallic enclosure with MODBUS
<b>"B"</b>	CHANNEL 1 TOXIC SENSOR 1 = Hydrogen Sulfide, 0-50 ppm 2 = Hydrogen Sulfide, 0-100 ppm 3 = Hydrogen Sulfide, 0-200 ppm 4 = Hydrogen Sulfide, 0-500 ppm
<b>"C"</b>	CHANNEL 2 TOXIC SENSOR 0 = No channel 2 toxic sensor 1 = Oxygen, 0-25% by volume 2 = Carbon Monoxide, 0-100 ppm 3 = Sulfur Dioxide, 0-100 ppm 4 = Chlorine, 0-10 ppm
<b>"D"</b>	CHANNEL 3 INFRARED SENSOR 0 = 0-100% LEL Methane 1 = 0-100% LEL Propane 2 = 0-1000 ppm Carbon Dioxide 3 = 0-5000 ppm Carbon Dioxide
[TAG] = Stainless steel tag [TCP] = MODBUS / TCP interface [FLT] = Float probe with 50' Tygon Tubing	



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