



# DOD TECHNOLOGIES

The Leader in Low Level Toxic Gas Monitoring

The ChemLogic<sup>®</sup> Continuous 8 Point Gas Monitor is our flagship monitor for multipoint, low-maintenance colorimetric gas detection. Guarantees low level gas detection that's interference free, simple to install, and easy to maintain. This system utilizes 1/4" tubing to allow for easy upgrades of other obsolete sample draw systems. Simply plug in your existing 1/4" tubing and you're ready to go. Each gas monitor can plug right into the wall. It comes equipped with relay & analog outputs and can also be integrated digitally.



## ITEM CL8 | 8 POINT TOXIC GAS MONITORING SYSTEM

**CONTINUOUS**



**MONITORING**

**FASTEST**



**RESPONSE TIMES**

**LOW**



**MAINTENANCE**

**ENERGY**



**EFFICIENT**



## KEY FEATURES & BENEFITS

FEATURES	BENEFITS
NEW Intelligent Optics	Reduced maintenance & more accurate readings
Optimized Flow System	Faster response time
2- & 4-Month Cassettes	Reduced operating cost
SSD Memory Card	Easily retrievable data
Real-time Trend Display	Quick real-time information as its happening
Complete Front Access	Easy to service
Touch Control	Easy to start-up & operate
Remote Mountable I/O	Reduced cost of installation
4 or 8 Points	Flexible & expandable system

## DETECTABLE GASES

### Ammines

Ammonia (NH<sub>3</sub>) 0-150 ppm

### Hydrides

Arsine (AsH<sub>3</sub>) 0-50ppb  
 Arsine (AsH<sub>3</sub>) 0-500 ppb  
 Diborane (B<sub>2</sub>H<sub>6</sub>) 0-1,000 ppb  
 Germane (GeH<sub>4</sub>) 0-2,000 ppb  
 Hydrogen Selenide (H<sub>2</sub>Se) 0-25 ppm  
 Hydrogen Selenide (H<sub>2</sub>Se) 0-500 ppm  
 Phosphine (PH<sub>3</sub>) 0-300 ppb  
 Phosphine (PH<sub>3</sub>) 0-3,000 ppb  
 Silane (SiH<sub>4</sub>) 0-50 ppm  
 Stibene (SbH<sub>3</sub>) 0-300 ppb  
 TBA 0-500 ppb

### Oxidizers

Chlorine (Cl<sub>2</sub>) 0-2,000 ppb  
 Chlorine (Cl<sub>2</sub>) 0-3,200 ppb  
 Chlorine (Cl<sub>2</sub>) 0-5,000 ppb  
 Fluorine (F<sub>2</sub>) 0-10,000 ppb  
 Nitrogen Dioxide (NO<sub>2</sub>) 0-30 ppm  
 Nitrogen Dioxide (NO<sub>2</sub>) 0-100 ppm

### Mineral Acids

Boron Trifluoride (BF<sub>3</sub>) 0-150 ppm  
 Hexafluorocyclobutene (C<sub>4</sub>F<sub>6</sub>) 0-40 ppm\*  
 Hydrogen Bromide (HBr) 0-20 ppm  
 Hydrogen Chloride (HCl) 0-20 ppm  
 Hydrogen Fluoride (HF) 0-20 ppm  
 Nitric Acid (HNO<sub>3</sub>) 0-6 ppm  
 Nitrogen Trifluoride (NF<sub>3</sub>) 0-15 ppm\*  
 Octafluorocyclopentene (C<sub>5</sub>F<sub>8</sub>) 0-15 ppm\*  
 Sulfuric Acid (H<sub>2</sub>SO<sub>4</sub>) 0-750 ppb

### Other

Acetic Acid (CH<sub>3</sub>COOH) 0-50 ppb  
 Bromine (Br) 0-1,000 ppb  
 Carbonyl Sulfide (COS) 0-20 ppm  
 Hydrazine (N<sub>2</sub>H<sub>4</sub>) 0-500 ppb  
 Hydrogen Cyanide (HCN) 0-2,500 ppb  
 Methylene Isocyanate (MIC) 0-10 ppm  
 Phosgene (COCl<sub>2</sub>) 0-1,000 ppb  
 Phosgene (COCl<sub>2</sub>) 0-1,000 ppb  
 Phosgene (COCl<sub>2</sub>) 0-1,000 ppb  
 TDMAT 0-5,000 ppb

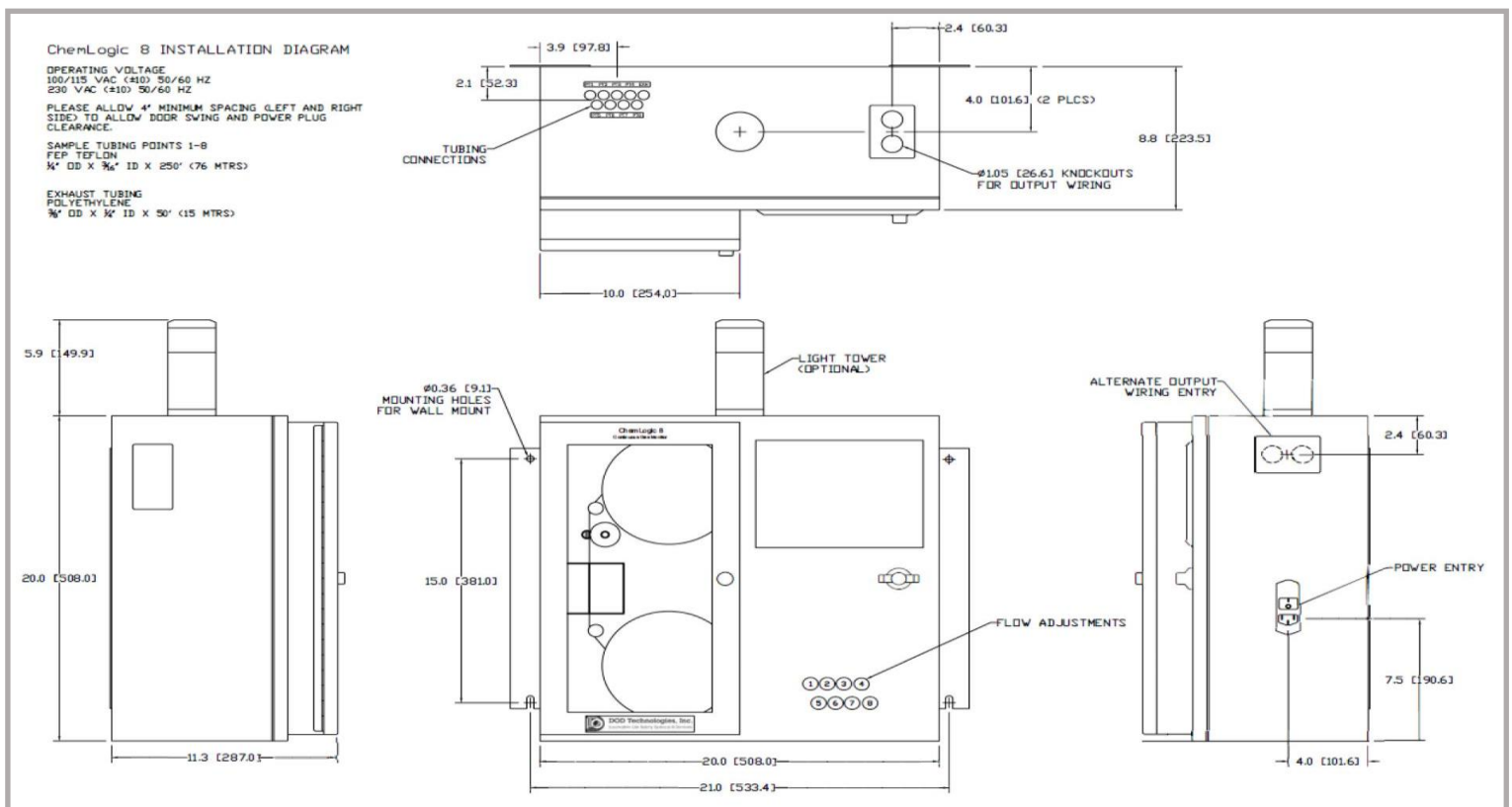
\* Pyrolyzer Required - Detected as Hydrogen Fluoride after pyrolyzation



## TECHNICAL SPECIFICATIONS

SPEC NAME	SPECIFICATION DETAIL
Detection Principle	Colorimetric
Gas Families	Ammine, Hydrides, Mineral Acids, Oxidizers
Monitoring Points	4 up to 8 (in 8-point increments)
Sample Distance	300 ft. (91 m) - 1/4" OD x 3/16" ID Teflon FEP Tubing
Exhaust Tubing	25 ft. (7.6 m) - 3/8" x 1/4" Poly-E Tubing
Display	8" Color Touchscreen
Local Alarm	Visual on Display & Audible (with Light Tower)
Relay Outputs	Programmable low and high-level faults
Operating Temp.	40°F - 104°F   4°C - 40°C
Dimensions	20"H x 21"W x 11.3"D
Shipping Weight	65 lbs.
Operating Voltage	100-110VAC (50/60-Hz), 230VAC (50Hz)
Power Consumption	Less than 1 Amp
Enclosure	Powder Coated Steel

## INSTALLATION DIMENSIONS (IN INCHES)







**DOD TECHNOLOGIES** | [www.dodtec.com](http://www.dodtec.com)



## REALIBILITY & SUPPORT

DOD Technologies is the leader in low level gas detection with a division focused exclusively on semiconductor processing and other high tech industries. We understand the value of your production, from the raw silicon wafer to the fabrication of a chip, and we know that just one false alarm can cost millions of dollars in lost productivity. That's why we engineered the ChemLogic product line for an enhanced standard of accuracy and reliability. Every day, DOD's gas detection technologies protect people and billions of dollars in assets at semiconductor fabs, research labs and other high tech facilities throughout the world. We have a worldwide network of service engineers who are knowledgeable and passionate about gas detection. Our portfolio includes fixed systems, portable gas detectors, controllers, systems integration and onsite field services.



Manufactured by:  
DOD Technologies  
675 Industrial Drive  
Cary, IL 60013



(815) 205-1590



[solutions@dodtec.com](mailto:solutions@dodtec.com)