



DOD TECHNOLOGIES

The Leader in Low Level Toxic Gas Monitoring

The ChemLogic Single Point Continuous Monitor provides field proven quick response of low level toxic and corrosive gases. It is an extremely reliable form of interference free, low maintenance colorimetric gas detection. This system is simple to install and utilizes 1/4" tubing to allow the sample to be drawn up to 150 feet or most detectable gases. Each gas monitor can plug right into the wall. It comes equipped with relay & analog outputs and can also be integrated digitally.



Z-Purge Option Makes Unit Class I Division 1 Compliant



ITEM CL1 | SINGLE POINT TOXIC GAS DETECTOR

CONTINUOUS



MONITORING

LOW



MAINTENANCE

POLYUREATHANE



FOAM MONITORING

CLASS I DIV 1



WITH Z-PURGE



KEY FEATURES & BENEFITS

FEATURES	BENEFITS
NEW Intelligent Optics	Reduced maintenance & more accurate readings
Optimized Flow System	Faster response time
2-Month Cassette	Reduced operating cost
SD 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
Compact Size	Simple to install
1 to 2 Points	Able to detect 2 points of same gas family
Remote reset	Ideal for process applications
Tape saver mode	Reduces tape usage during high concentrations

DETECTABLE GASES

Hydrides

Arsine (AsH ₃)	0-50 ppb
Arsine (AsH ₃)	0-500 ppb
Diborane (B ₂ H ₆)	0-1,000 ppb
Germane (GeH ₄)	0-2,000 ppb
Hydrogen Selenide (H ₂ Se)	0-500 ppb
Hydrogen Sulfide (H ₂ S)	0-90 ppb
Hydrogen Sulfide (H ₂ S)	0-500 ppb
Hydrogen Sulfide (H ₂ S)	0-1,500 ppb
Hydrogen Sulfide (H ₂ S)	0-20 ppm
Phosphine (PH ₃)	0-1,500 ppb
Silane (SiH ₄)	0-500 ppb
Stibene (SbH ₃)	

Mineral Acids

Boron Trifluoride (BF ₃)	0-3,200 ppb
Hydrogen Bromide (HBr)	0-20 ppm
Hydrogen Chloride (HCl)	0-15 ppm
Hydrogen Fluoride (HF)	0-10 ppm
Nitric Acid (HNO ₃)	0-6 ppm
Sulfuric Acid (H ₂ SO ₄)	0-750 ppb

Diisocyanates

CHDI	0-100 ppb	MDI	0-100 ppb
HDI	0-100 ppb	MDI	0-200 ppb
HDMI	0-100 ppb	TDI	0-100 ppb
IPDI	0-100 ppb	TDI	0-200 ppb

Oxidizers

Low Level Chlorine (CL ₂)	0-30 ppb
Chlorine (Cl ₂)	0-3,200 ppb
Fluorine (N ₂ H ₄)	0-3,200 ppb
Nitrogen Dioxide (NO ₂)	0-30 ppm

Others

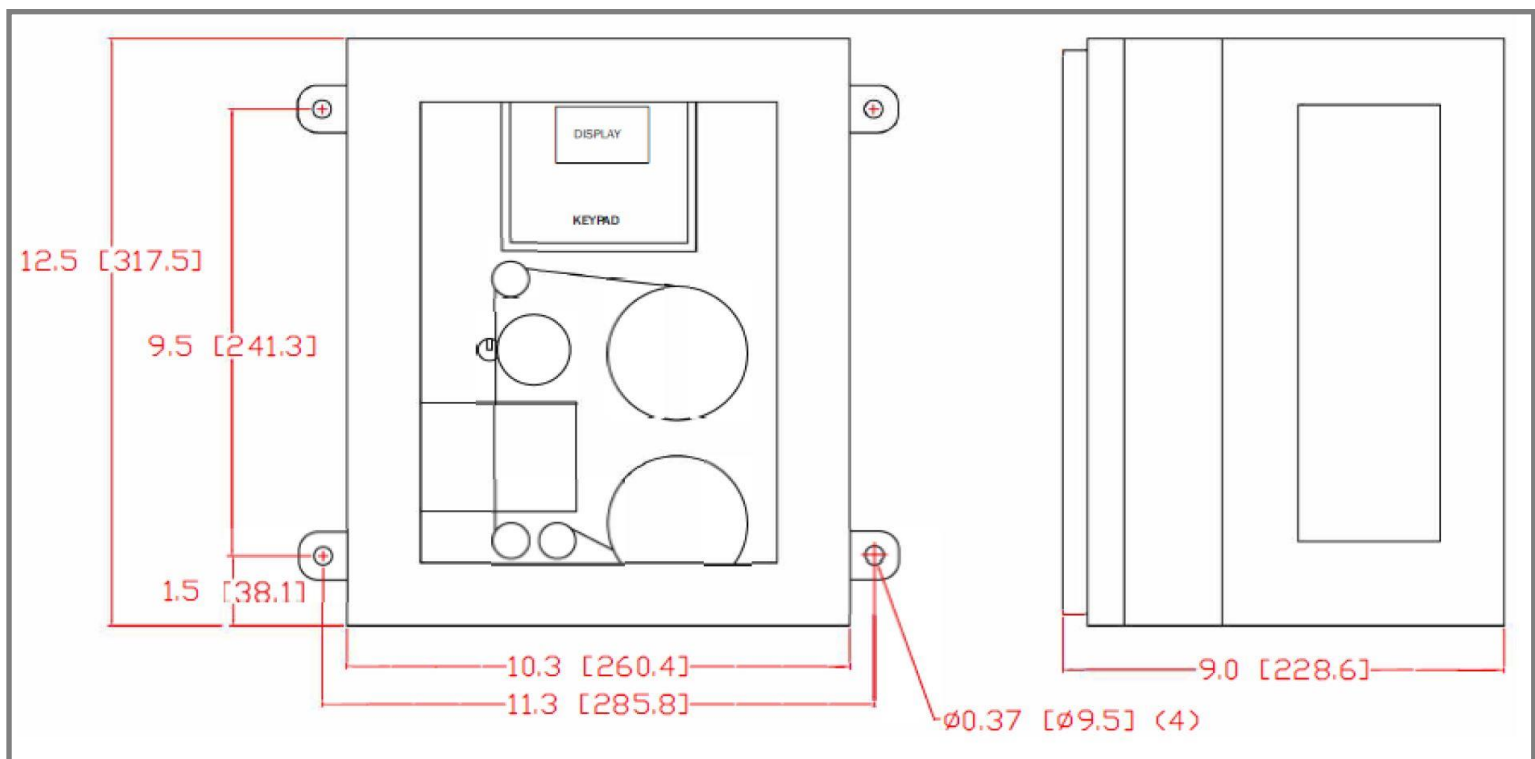
Ammonia (NH ₃)	0-75 ppm
Bromine (Br ₂)	0-1,000 ppb
Carbonyl Sulfide (COS)	0-20 ppm
Hydrazine (N ₂ H ₆)	0-500 ppb
Phosgene (COCl ₂)	0-300 ppb
Phosgene (COCl ₂)	0-4,000 ppb
Sulfur Dioxide (SO ₂)	0-2,500 ppb
TDMA	0-60 ppb



TECHNICAL SPECIFICATIONS

SPEC NAME	SPECIFICATION DETAIL
Detection Principle	Colorimetric
Gas Families	Ammine, Diisocyanates, Hydrides, Mineral Acids, Oxidizers
Monitoring Points	1 or 2
Sample Distance	150 ft. (122 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	Menu-Driven HMI
Local Alarm	Visual on HMI & Audible (with Light Tower)
Relay Outputs	Programmable low and high-level faults
Operating Temp.	40°F - 104°F 4°C - 40°C
Dimensions	12.5"H x 10.3"W x 9"D
Shipping Weight	38 lbs.
Operating Voltage	85-264VAC (50/60-Hz)
Power Consumption	Less than 1 Amps
Enclosure	NEMA 4X
Analog Output	4-20mA (500 ohm Max Independence)
Communication	Ethernet, DeviceNet, OPC, Profibus, Modbus, ControlNet

INSTALLATION DIMENSIONS (IN INCHES)





REALIBILITY & SUPPORT

DOD Technologies is the leader in low level gas detection. We understand the value of your production, and we know that just one false alarm can cost companies thousands 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 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.



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