



DOD TECHNOLOGIES

The Leader in Low Level Toxic Gas Monitoring

The CL96 Continuous Gas Monitor provides the quickest response times of any multipoint TGMS. It is the standard of interference free, low-maintenance colorimetric gas detection. This system is simple to install and utilizes 1/4" tubing to allow for easy upgrades of other obsolete sample draw systems. Simply plug in your existing 1/4" sample tubing and you're ready to go. Perfect for large scale gas detection applications like semiconductor manufacturing, pharmaceutical labs, and cleanrooms. System can be configured for between 16 and 96 points of detection.



ITEM | 96 POINT TOXIC GAS CL96 | 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-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
Remote Mountable I/O	Reduced cost of installation
16 to 96 Points	Flexible & expandable system
Up to 3 Gas Families	Reduced installation & operating costs
Energy Efficient	Uses up to 90% less energy than competition

DETECTABLE GASES

Ammines

Ammonia (NH₃) 0-150 ppm

Hydrides

Arsine (AsH₃) 0-50ppb
 Arsine (AsH₃) 0-500 ppb
 Diborane (B₂H₆) 0-1,000 ppb
 Germane (GeH₄) 0-2,000 ppb
 Hydrogen Selenide (H₂Se) 0-25 ppm
 Hydrogen Selenide (H₂Se) 0-500 ppm
 Phosphine (PH₃) 0-300 ppb
 Phosphine (PH₃) 0-3,000 ppb
 Silane (SiH₄) 0-50 ppm
 Stibene (SbH₃) 0-300 ppb
 TBA 0-500 ppb

Oxidizers

Chlorine (Cl₂) 0-2,000 ppb
 Chlorine (Cl₂) 0-3,200 ppb
 Chlorine (Cl₂) 0-5,000 ppb
 Fluorine (F₂) 0-10,000 ppb
 Nitrogen Dioxide (NO₂) 0-30 ppm
 Nitrogen Dioxide (NO₂) 0-100 ppm

Mineral Acids

Boron Trifluoride (BF₃) 0-150 ppm
 Hexafluorocyclobutene (C₄F₆) 0-40 ppm*
 Hydrogen Bromide (HBr) 0-20 ppm
 Hydrogen Chloride (HCl) 0-20 ppm
 Hydrogen Fluoride (HF) 0-20 ppm
 Nitric Acid (HNO₃) 0-6 ppm
 Nitrogen Trifluoride (NF₃) 0-15 ppm*
 Octafluorocyclopentene (C₅F₈) 0-15 ppm*
 Sulfuric Acid (H₂SO₄) 0-750 ppb

Other

Acetic Acid (CH₃COOH) 0-50 ppb
 Bromine (Br) 0-1,000 ppb
 Carbonyl Sulfide (COS) 0-20 ppm
 Hydrazine (N₂H₄) 0-500 ppb
 Hydrogen Cyanide (HCN) 0-2,500 ppb
 Methylene Isocyanate (MIC) 0-10 ppm
 Phosgene (COCl₂) 0-1,000 ppb
 Phosgene (COCl₂) 0-1,000 ppb
 Phosgene (COCl₂) 0-1,000 ppb
 TDMAT 0-5,000 ppb

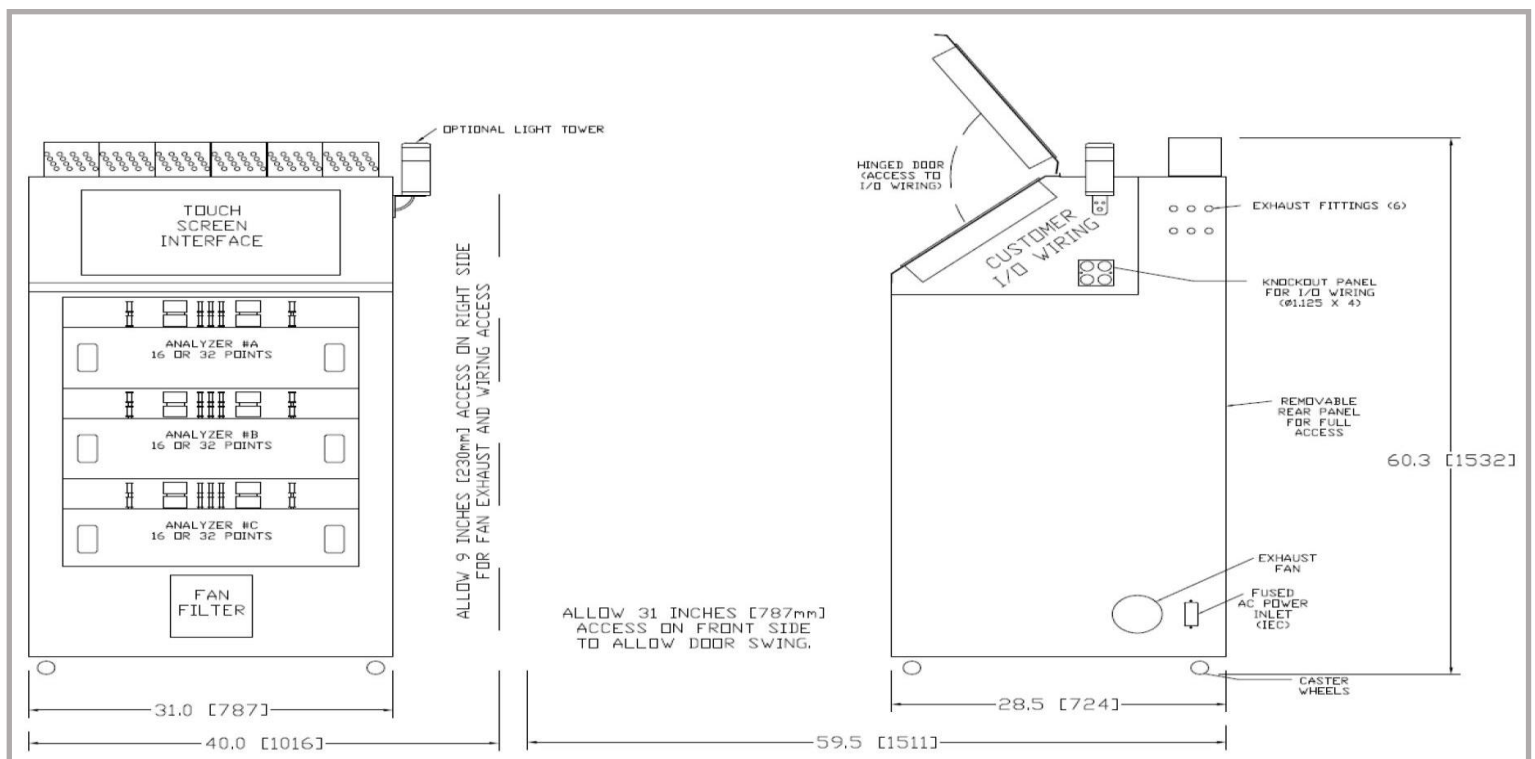
* Pyrolyzer Required - Detected as Hydrogen Fluoride after pyrolyzation



TECHNICAL SPECIFICATIONS

SPEC NAME	SPECIFICATION DETAIL
Detection Principle	Colorimetric
Gas Families	Ammine, Hydrides, Mineral Acids, Oxidizers
Monitoring Points	16 up to 96 (in 16-point increments)
Sample Distance	400 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	19" 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	60.3"H x 31"W x 28.5"D
Shipping Weight	450 lbs.
Operating Voltage	100-110VAC (50/60-Hz), 230VAC (50Hz)
Power Consumption	Less than 3 Amps
Enclosure	Powder Coated Steel
Analog Output	24 VSC Sinking, 4-20mA & Form C Relays
Communication	Ethernet, DeviceNet, OPC, Profibus, Modbus, ControlNet

INSTALLATION DIMENSIONS (IN INCHES)





DOD TECHNOLOGIES | 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.



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