



ChemLogic® CL96 96-Point Continuous Gas Detection System

DOD Technologies

The ChemLogic® CL96 96-Point Gas Detector provides continuous gas monitoring and faster response times than any multipoint TGMS. It is the standard of interference-free, low-maintenance colorimetric gas detection. The system is simple to install, utilizing 1/4" tubing to easily upgrade from other legacy sample draw systems.

Perfect for large scale gas detection applications like semiconductor manufacturing, pharmaceutical labs, and cleanrooms - the CL96 can be configured to monitor between 16 and 96 points of detection.



CONTINUOUS



MONITORING

FASTEST



RESPONSE TIMES

LOW



MAINTENANCE

ENERGY



EFFICIENT



Features & Benefits

FEATURES	BENEFITS
Intelligent Optics	Reduced maintenance with more accurate readings
Optimized Flow System	Faster response time
Two-Month Cassette	Long-life colorimetric tape cassettes that reduce maintenance and operating cost
SSD Memory Card	Easily retrievable data
Instant Trend Data Display	Quick real-time information as it is happening
Front Door Access	Easy accessibility for servicing the system
Touch Control	Easy to start-up and operate
Simplified Start-Up	Simple to install
Remote Mountable I/O	Reduced cost of installation
16 to 96 Points	Flexible and expandable system
Up to three gas families	Reduced installation & operating costs
Energy efficient	Uses up to 90% less energy than legacy systems

Detectable Gases

Ammines

Ammonia (NH ₃)	0-75 ppm
Ammonia (NH ₃)	0-150 ppm

Hydrides

Arsine (AsH ₃)	0-50ppb
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
Phosphine (PH ₃)	0-300 ppb
Phosphine (PH ₃)	0-1,500 ppb
Phosphine (PH ₃)	0-3,000 ppb
Silane (SiH ₄)	0-50 ppm
Stibene (SbH ₃)	0-500 ppb
TBA	0-500 ppb

Oxidizers

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

Mineral Acids

Boron Trifluoride (BF ₃)	0-10,000 ppb
Hexafluorocyclobutene (C ₄ F ₆)	0-40 ppm*
Hydrogen Bromide (HBr)	0-20 ppm
Hydrogen Chloride (HCl)	0-20 ppm
Hydrogen Fluoride (HF)	0-20 ppm
Nitric Acid (HNO ₃)	0-5,000 ppb
Nitrogen Trifluoride (NF ₃)	0-50 ppm*
Sulfuric Acid (H ₂ SO ₄)	0-3,200 ppb

Other

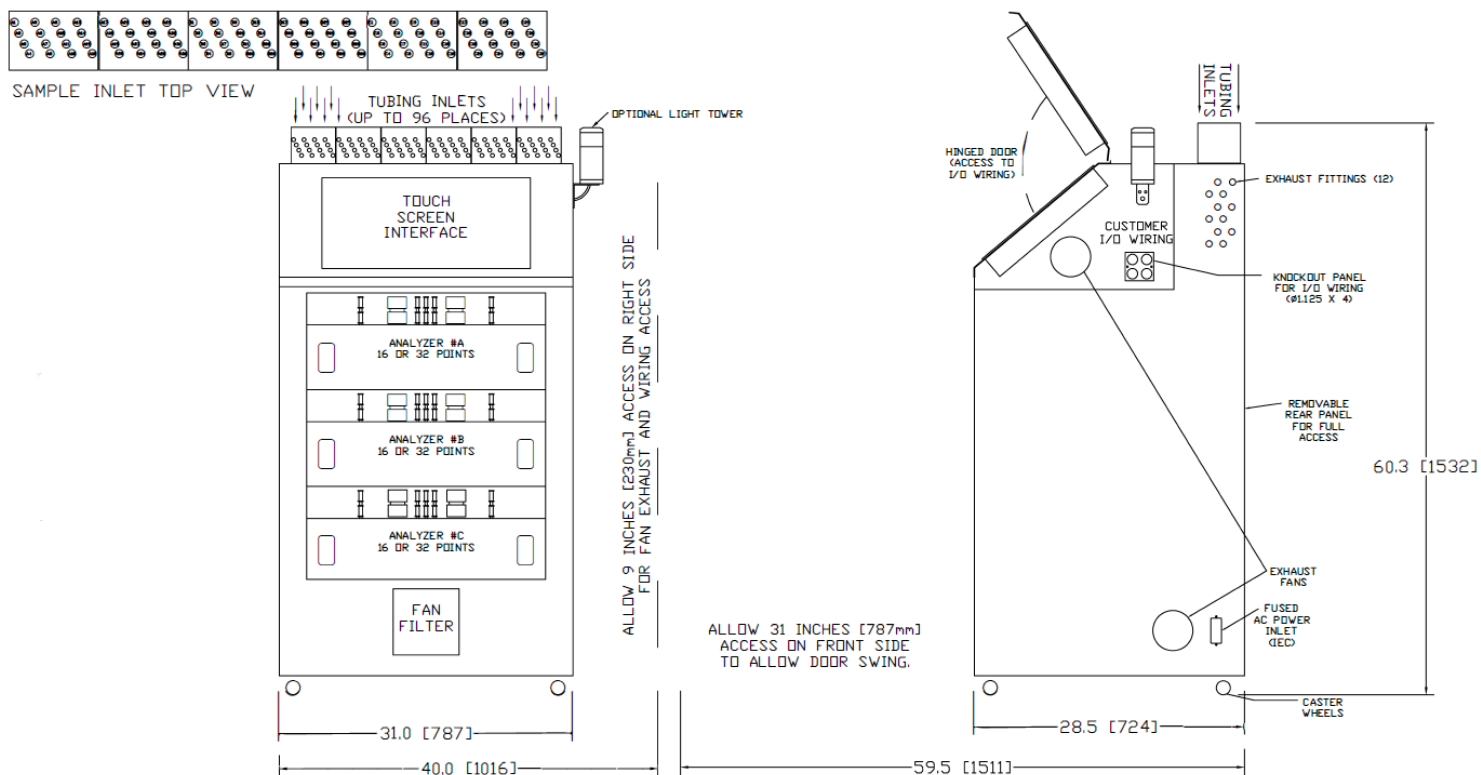
Bromine (Br)	0-1,000 ppb
Carbonyl Sulfide (COS)	0-20 ppm
Hydrazine (N ₂ H ₄)	0-500 ppb
Hydrogen Cyanide (HCN)	0-2,500 ppb
Methylene Isocyanate (MIC)	0-10 ppm
Phosgene (COCl ₂)	0-300 ppb
Phosgene (COCl ₂)	0-3,250 ppb
Phosgene (COCl ₂)	0-5,000 ppb
TDMAT	0-10 ppm

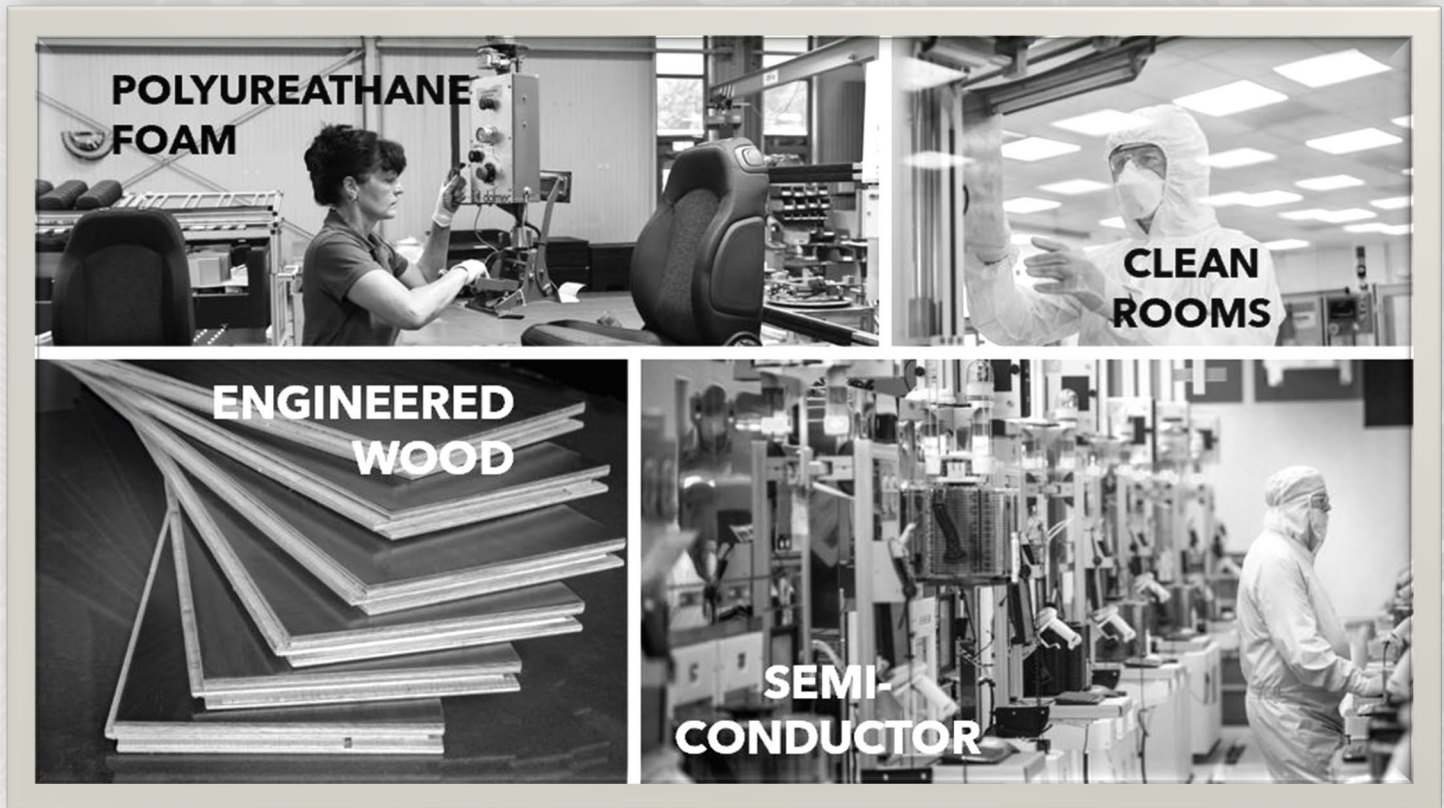
* Pyrolyzer Required - Detected as Hydrogen Fluoride after pyrolyzation

Specifications

Model / Detection Principle	Colorimetric
Monitoring Points	16 up to 96 (in 16-point increments)
Gas Families	Ammine, Hydrides, Mineral Acids, Oxidizers
Sample Distance	400 ft. (120m) - 1/4" OD x 3/16" ID Teflon FEP tubing
Exhaust Tubing	25 ft. (8m) - 3/8" OD x 1/4" Poly-E tubing (up to 6 tubes needed)
Display	19" Color Touchscreen
Local Alarm Indication	Visual on display and audible (with light tower)
Relay Outputs	Programmable low and high-level faults
Operating Temperature	40°F to 104°F / 4°C to 40°C
Input / AC Current (Typical)	5A/110VAC (60Hz), 2.5A/230VAC (50/60Hz)
Enclosure	Powder coated steel
Analog Output	24 VSC Sinking, 4-20mA & Form C relays
Communication	Ethernet, DeviceNet, OPC, Profibus, Modbus, ControlNet
Dimensions	60.3"H x 31"W x 28.5"D (1532mm x 787mm x 724mm)
Weight	450 lb. (204.12 kg)

Installation Dimensions (in inches)





DOD Technologies is the global leader in low-level gas detection systems and solutions. We understand the importance of keeping your employees safe and your business operational. And, we know that even false alarms can be extremely costly in lost productivity.

The DOD Technologies portfolio includes fixed systems, portable gas detectors, controllers, onsite and field technical services and system integrations. Our comprehensive line of gas detection products begins with ChemLogic®, which is engineered to an enhanced standard of accuracy and reliability. Our network of knowledgeable sales and service technicians stands ready to assist you, backed by years of gas detection experience.

For more information, or to order, please visit us at DODtec.com.



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