



ChemLogic® Revive™ Four-Point Toxic Gas Detection System

DOD Technologies

The ChemLogic Revive (CL4R) is a technologically-advanced colorimetric fixed gas detector. The system is designed to directly upgrade and replace a four-point legacy monitor, with the ability to also retrofit into a legacy rack system (see specifications). It integrates seamlessly using existing externals, with no required modifications. The CL4R is ideal for use in semiconductor and other commercial/industrial environments requiring low-level gas detection.

The CL4R provides an invaluable life safety service to workers, while helping keep inventory production operational.



Legacy Four-Point Monitor Racking System; shown fully loaded with (7) ChemLogic® Revive™ CL4R Detectors

CONTINUOUS



MONITORING

RETROFITS



INTO RACK

LOW



MAINTENANCE

ENERGY



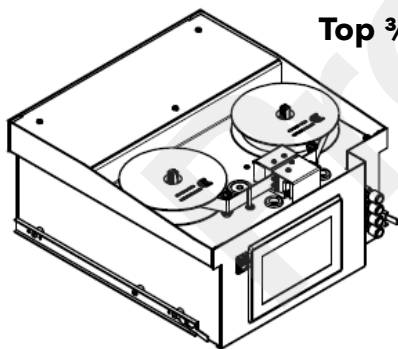
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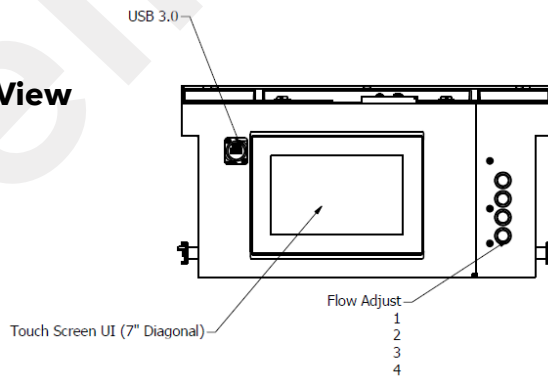
Features & Benefits

FEATURES	BENEFITS
Convenient System Replacement / Upgradeability	Upgrade comparably-sized four-point legacy monitor with simple, plug-and-play replacement utilizing the existing rack drawer or counter space
Real-Time Monitor Display	Instantly monitor all four points at once with visual color indicators for each point
Touch Screen Control	Intuitive, menu-driven software
Intelligent Optics	Reduced maintenance with more accurate readings
Optimized Flow System	Leading 3.0LPM fast transport time
Data Analytics Storage	Front-accessible, USB port to retrieve and save data
Long-Life Cassettes	Colorimetric cassettes that lasts up 4-months, reducing operating costs
Complete Maintenance Access	Easy to maintain with access to cassette from a top, service door accessible by removing screws
Range of Gases Detected	Detect gases as low as half TLV in hydrides and mineral acid families

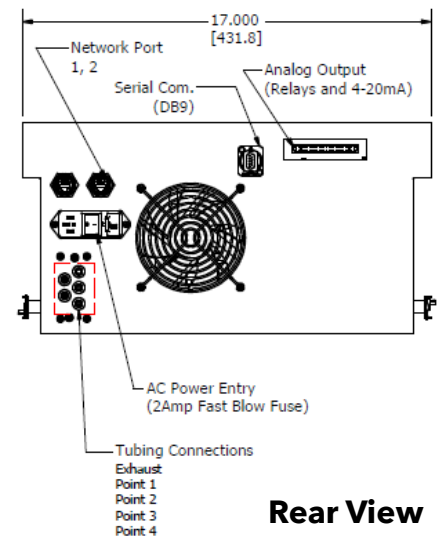
Dimensions



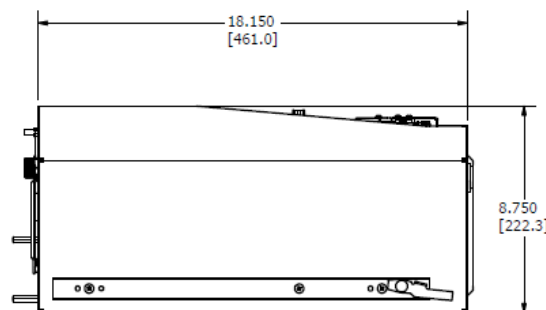
Top 3/4 View



Front View



Rear View



Side View

Operating Voltage

110/115VAC (+/-10) 50/60 HZ

Sample Tubing Point 1-4

Material: FEP Teflon
 1/4" OD x 3/16" ID x 500' (Max) (120 Meters)

Exhaust Tubing

Material: Polyethylene
 1/4" OD x 3/16" ID x 50' (Max) (15 Meters)



Specifications

Model / Detection Principle	Revive™ CL4R / Colorimetric
Monitoring Points	4
Gas Families	Hydrides, Mineral Acids, Oxidizers
Sample Distance	Up to 500 ft. (122m) - 1/4" OD x 3/16" ID Teflon FEP tubing
Exhaust Tubing	50 ft. (15 m) max length - 1/4" OD x 3/16" Poly-E tubing
Display	8" 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
Operating Voltage	100-110VAC, 50/60Hz; 230VAC (+/-10), 50/60 Hz
Power Consumption	Less than 3 Amps
Enclosure	Powder coated steel
Dimensions	8.75"H x 17"W x 17.75"D (222mm x 432mm x 451mm)
Weight	40 lbs. (18.14 kg)

Detectable Gases

Hydrides

Arsine (AsH ₃)	0-0.05 ppm
Arsine (AsH ₃)	0-0.5 ppm
Diborane (B ₂ H ₆)	0-1 ppm
Germane (GeH ₄)	0-2 ppm
Hydrogen Selenide (H ₂ Se)	0-0.5 ppm
Phosphine (PH ₃)	0-0.3 ppm
Phosphine (PH ₃)	0-1.5 ppm
Silane (SiH ₄)	0-15 ppm
Silane (SiH ₄)	0-50 ppm
Stibene (SbH ₃)	0-0.5 ppm

Oxidizers

Chlorine (Cl ₂)	0-0.03 ppm
Chlorine (Cl ₂)	0-2 ppm
Chlorine (Cl ₂)	0-3.2 ppm
Chlorine (Cl ₂)	0-5 ppm
Fluorine (F ₂)	0-3.2 ppm
Fluorine (F ₂)	0-10 ppm
Nitrogen Dioxide (NO ₂)	0-30 ppm

Mineral Acids

Boron Trifluoride (BF ₃)	0-3.2 ppm
Boron Trifluoride (BF ₃)	0-10 ppm
Hydrogen Bromide (HBr)	0-20 ppm
Hydrogen Chloride (HCl)	0-3.25 ppm
Hydrogen Chloride (HCl)	0-15 ppm
Hydrogen Fluoride (HF)	0-10 ppm
Hydrogen Fluoride (HF)	0-20 ppm

Other

Acetic Acid (CH ₃ COOH)	0-0.05 ppm
Ammonia (NH ₃)	0-75 ppm
Bromine (Br)	0-3.2 ppm
Hydrazine (N ₂ H ₄)	0-500 ppb
Hydrogen Cyanide (HCN)	0-2.5 ppm



SEMICONDUCTOR / CLEANROOM



REALIBILITY & SUPPORT

DOD Technologies is the global leader in low-level gas detection systems and solutions. We understand the importance of keeping your business operational and know that false alarms can cost millions of dollars in lost productivity.

The comprehensive line of ChemLogic® gas detection products are engineered to an enhanced standard of accuracy and reliability. DOD Technologies' portfolio includes fixed systems, portable gas detectors, controllers, product loaners, technical services and more. Our worldwide network of knowledgeable, experienced sales and service personnel are ready to assist you today!

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



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