



ChemLogic Single Point Continuous Monitor CL1



The ChemLogic Single Point Continuous Monitor provides field proven ChemLogic Technology for the quick detection of low level toxic and corrosive gases.

<u>Feature</u>	<u>Benefit</u>
◆ New Intelligent Optics	Reduced Maintenance and Risk of False Alarms
◆ Optimized Flow System	Faster Response
◆ 2 Month Cassette	Reduced Operating Cost
◆ ChemLogic Technology	Field Proven Reliability
◆ SD Memory Card	Easily Retrievable Data
◆ Real Time Display	Quick Real Time Information
◆ Complete Front Access	Easy to Service
◆ Touch Control	Easy to Startup & Operate
◆ Compact Size	Simple to Install
◆ Remote Reset	Ideal for Process Applications
◆ Tape Saver Mode	Reduces Tape Usage During High Concentrations



The ChemLogic Continuous Single Point Gas Monitor is the next generation of interference free, low maintenance colorimetric gas detection. This system is simple to install and utilizes ¼" tubing to allow the sample to be drawn up to 150feet(45m).

The ChemLogic Continuous Single Point Gas Monitor provides relay and analog outputs.

This new innovative gas detection system enables customers to experience advanced technology at a lower initial investment and reduced cost of ownership.

Innovative Life Safety Systems and Service



Contact DOD Technologies at Ph 815-788-5200 Fax 815-788-5300 www.dodtec.com

CL1 Technical Specifications

Detection Principal	ChemLogic Technology
Gas Families Available	See Below
Monitoring Points	1
Sample Distance	150ft(45m) 1/4" OD 1/8"ID Teflon FEP (Does not apply to Diisocyanates)
Exhaust Tubing	25ft(7.62m) 1/4"OD 3/16"ID
Display	HMI
Local Alarm Indication	Visual HMI Display
Relay Outputs	6Amps Form C - Programmable Low and High Level, Fault
Operating Temperature	40F to 104F (5C to 40C)
Dimensions	H-12.5"(317.5mm) W-10.3"(260mm) D- 9" (228mm)
Shipping Weight	30 lbs. 13.5 Kg
Operating Voltage	85-264VAC 50/60 Hz
Power Consumption	Less than 1 Amp
Enclosure	NEMA 4X
Analog Output	4-20ma (500 ohm max impedance)

<u>Diisocyanate</u>		<u>Mineral Acids</u>	
TDI	0-100ppb & 0-200ppb	Boron Trifluoride (BF3)	0-3200ppb
MDI	0-100ppb & 0-200ppb	Hydrogen Bromide (HBr)	0-20ppm
HDI	0-100ppb	Hydrogen Chloride (HCl)	0-15ppm
IPDI	0-100ppb	Hydrogen Fluoride (HF)	0-10ppm
		Nitric Acid (HNO3)	0-6ppm
		Sulfuric Acid (H2SO4)	0-750ppb
<u>Hydrides</u>		<u>Oxidizers</u>	
Arsine (AsH3)	0-50ppb / 0-500ppb	Chlorine (Cl2)	0-5000ppb
Diborane (B2H6)	0-500ppb	LL Chlorine (Cl2)	0-50ppb
Germane (GeH4)	0-2000ppb	Fluorine (F2)	0-3200ppb
Hydrogen Selenide (H2Se)	0-500ppb	Nitrogen Dioxide (NO2)	0-30ppm
Hydrogen Sulfide (H2S)	0-90ppb / 0-20ppm		
Phosphine (PH3)	0-1500ppb	<u>Other</u>	
Silane (SiH4)	0-50ppm	Ammonia (NH3)	0-75ppm
Stibine (SbH3)	0-300ppb	Hydrazine (N2H4)	0-500ppb
		Phosgene (COCl2)	0-300ppb, 0-900ppb, 0-3000ppb
		Velcorin	0-200ppb

