

# ChemLogic 96 Point Continuous Gas Monitor

## ChemLogic 96

The ChemLogic 96 Point Continuous Monitor provides field proven ChemLogic Technology for the quick detection of low level toxic and corrosive gases.

### Feature

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|--------------------------------|--|
| ▷ New Intelligent Optics       | : Reduced Maintenance and Risk of False Alarms         |
| ▷ 16 to 96 Points of Detection | : Flexible & Expandable System                         |
| ▷ Up to 3 Gas Families         | : Reduced Installation & Operating Costs               |
| ▷ Optimized Flow System        | : Faster Response                                      |
| ▷ 4 Month Cassette Life        | : Reduced Operating Cost                               |
| ▷ ChemLogic Technology         | : Field Proven Reliability                             |
| ▷ Remote Mountable I/O         | : Reduced Cost of Installation                         |
| ▷ USB Port with Memory Stick   | : Easily Retrievable Data                              |
| ▷ Real Time Trend Display      | : Quick Real Time Information                          |
| ▷ Complete Front Access        | : Easy to Service                                      |
| ▷ Touch Screen Control         | : Easy to Startup & Operate                            |
| ▷ Compact Size                 | : Simple to Install                                    |
| ▷ Energy Efficient (Green)     | : Uses ~90% Less Energy Per Point than the Competition |



The ChemLogic Continuous 96 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 for easy upgrades of other obsolete sample draw systems. Simply plug in your existing ¼" sample tubing and you're ready to go.

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

## Specification

※Specifications are subject to be changed without prior notice.

CL96 TECHNICAL SPECIFICATIONS	
Detection Principal	ChemLogic Technology
Gases Available	See Below
Monitoring Points	16-32-48-64-80-96 points (with three detection families of gas)
Sample Distance	400ft (122m) 1/4" OD 3/16"ID Teflon FEP
Exhaust Tubing	25ft (7.62m) 3/8"OD 1/4"ID Poly-E (included)
Display	19" Color Touch Screen HMI
Local Alarm Indication	Audible and Visual
Relay Outputs	Programmable Low and High Level
Relay Output Options	24VDC Sinking (standard), 4-20mA & Form C Mechanical Relays
Communication Protocol Options	Ethernet IP (standard), DeviceNet, OPC, Profibus, Modbus, ControlNet, etc.
Operating Temperature	40F to 104F (5°C to 40°C)
Humidity	20-80% RH
Shipping Weight	450 lbs. (204 Kg)
Operating Voltage	100/110 VAC @ 50/60Hz, 230 VAC 50Hz
Power Consumption	Less than 3 Amps
Dimensions	H 59"(+10" for tubing) x W 31"(+9" for wiring) x D 28.5"

HYDRIDES		OXIDIZERS	
Arsine (AsH3)	0-500ppb	Chlorine (Cl2)	0-3200ppb
Diborane (B2H6)	0-500ppb	Chlorine (Cl2)	0-2000ppb
Hydrogen Selenide (H2Se)	0-25ppm	LL Chlorine (Cl2)	0-50ppb
Hydrogen Sulfide (H2S)	0-20ppm	Nitrogen Dioxide (NO2)	0-30ppm
Phosphine (PH3)	0-1500ppb	Fluorine (F2)	0-3200ppb
Si lane (SiH4)	0-50ppm	OTHER	
Tertiary-Butyl-Arsine (TBA)	0-500ppb	Acetic Acid (Low Level)	0-50ppb
* Arsine (AsH3)-LL	0-50ppb	Ammonia (NH3)	0-150ppm
* Germane (GeH4)	0-2000ppb	Bromine (Br)	0-1000ppb
* Hydrogen Selenide (H2Se)	0-500ppb	Carbon Sul fide (COS)	0-20ppm
* Alternate Hydride table selections		Hydrazine (N2H4)	0-500ppb
MINERAL ACIDS		Hydrogen Cyanide (HCN)	0-2500ppb
Boron Trifluoride (BF3)	0-3200ppb	Methyl Isocyanate (MIC)	0-10ppm
Hydrogen Bromide (HBr)	0-20ppm	Phosgene (COCL2)	0-1000ppb
Hydrogen Chloride (HCl)	0-15ppm	Velcorin	0-200ppb
Hydrogen Fluoride (HF)	0-10ppm	**C5F8	0-15ppm
Nitric Acid (HNO3)	0-6ppm	**Nitrogen Trifluoride (NF3)	0-15ppm
Sul furic Acid (H2SO4)	0-750ppb	**Indicates pyrolyzer required	