

CLPX ChemLogic Portable Gas Detector

| Improved Optics Design : Provides low level gas detection in seconds | Immediate Alert Indicator Bar : Immediate Indication that gas is present | Automated Calibration : Eliminates the need for optical calibration | Built in Data Logging : Micro SD card can record up to 5 years of data | Real Time Clock w/Date Stamp : Accurate recording of data | SW Selectable Calibration Curves : All gas calibrations are user selectable(no gase yks needed) system is flexible to meet your gas detectione quirements | Extended Battery Life : Up to 12 hours of continuous monitoring | Built in STEL : Unit constantly calculates for a rolling 15 minute STEL | 2 Alarm Levels : User selectable alarm levels | Purged Cassette : Insures colorimetric media will not be contaminated by ambient gas |

IMAGE



ACCESSORIES



CLPX Tape

SPECIFICATION

※ Specifications are subject to be changed without prior notice.

CLPX TECHNICAL SPECIFICATIONS	
Detection Principal	ChemLogic Technology
Display	Back Lit LCD with graphic stain development
Operating Voltage	6VDC Battery or charge/line powered 100-240VAC 50/60hz
Operating Temperature	40F to 95F (4°C to 35°C)
Humidity	15 to 85 % (non condensing)
Dimensions	H-8.6"(219mm) W-4.1"(105mm) L- 11.3" (287mm)
Weight	5.5 lbs. (2.5 Kg)
Data Logging	2GB Micro SD Card

CLPX Technical Specifications			
DIISOCYANATE		MINERAL ACIDS	
TDI	0-200ppb	Boron Trifluoride (BF3)	0-3200ppb
MDI	0-200ppb	Hydrogen Bromide (HBr)	0-20ppm
HDI	0-200ppb	Hydrogen Chloride (HCl)	0-15ppm
IPDI	0-200ppb	Hydrogen Fluoride (HF)	0-10ppm
		Nitric Acid (HNO3)	0-6ppm
		Sulfuric Acid (H2SO4)	0-750ppb
HYDRIDES		OXIDIZERS	
Arsine (AsH3)	0-50ppb / 0-500ppb	Chlorine (Cl2)	0-5000ppb
Diborane (B2H6)	0-1000ppb	LL Chlorine (Cl2)	0-30ppb
Germane (GeH4)	0-2000ppb	Fluorine (F2)	0-3200ppb
Hydrogen Selenide (H2Se)	0-500ppb	Nitrogen Dioxide (NO2)	0-25ppm
Hydrogen Sul fide (H2S)	0-90ppb / 0-20ppm		
Phosphine (PH3)	0-1500ppb	OTHER	
Silane (SiH4)	0-50ppm	Ammonia (NH3)	0-75ppm
		Hydrazine (N2H4)	0-500ppb
		Phosgene (COCl2)	0-90ppb / 0-3000ppb
		Velcorin	0-200ppb

CLPX Gas Calibration Packages	
Semi / Solar Package	AsH3, PH3, B2H6, SiH4, GeH4, H2Se, H2S, HCl, HF, HBr, BF3, H2SO4, NH03, Cl2, LL Cl2, NH3
Chemical / Iso Package	COCL2, Cl2, NH3, TDI, MDI, IPDI, HDI, H2S, HF, HCl, HBr, H2SO4, HNO3, NO2
Iso Package	TDI, MDI, HDI, IPDI
Additional gas available upon request	N2H4, LL CL2, Velcorin & NO2

FORMULA	GAS	LDL	Full Scale	Units	Alarm 1 Default	Alarm 2 Default	DIVISION
Ammonia	NH3	1.9	75	ppm	25	50	OTHER
Arsenic Pentafluoride [^]	AsF5 (HF)	0.4	10	ppm	2	4	OTHER
Arsenic Trichloride ^{^^}	AsHCl3 (HCL)	0.2	15	ppm	5	10	MINERAL ACIDS
Arsenic Trifluoride [^]	AsF3 (HF)	0.4	10	ppm	2	4	OTHER
Arsine	AsH3	0.9	500	ppb	50	100	HYDRIDES
Arsine	AsH3	0.9	50	ppb	5	10	HYDRIDES
Boron Tribromide ^{^^^}	BBr3 (HBr)	0.3	20	ppm	3	6	MINERAL ACIDS
Boron Trichloride ^{^^}	BCl3 (HCL)	0.2	15	ppm	5	10	MINERAL ACIDS
Boron Trifluoride	BF3	90.1	5000	ppb	1000	2000	MINERAL ACIDS
Carbonyl Sulfide	COS	1	20	ppm	5	10	HYDRIDES
Carbonyl Fluoride [^]	COF2 (HF)	0.4	10	ppm	2	4	OTHER
Chlorine	Cl2	39.5	5000	ppb	500	1000	OXIDIZERS
Chlorine	Cl2	1	20	ppb	500	1000	OXIDIZERS
Chlorine	Cl2	6.7	2000	ppb	500	1000	OXIDIZERS
Chlorine Trifluoride [^]	ClF3 (HF)	0.4	10	ppm	2	4	OTHER
Diborane	B2H6	14.9	1000	ppb	100	200	HYDRIDES
Dichlorosilane ^{^^}	SiH2Cl2 (HCL)	0.2	15	ppm	5	10	HYDRIDES, MINERAL ACIDS
Fluorine	F2	86.5	3200	ppb	1000	2000	OXIDIZERS
Fluorosilicic acid [^]	H2SiF6 (HF)	0.4	10	ppm	2	4	OTHER
Germane	GeH4	98.3	2000	ppb	200	400	HYDRIDES
Germanium Tetrafluoride [^]	GeF4 (HF)	0.4	10	ppm	2	4	OTHER
Hexachlorodisilane ^{^^}	SiCl2 (HCL)	0.2	15	ppm	5	10	MINERAL ACIDS
Hexafluorocyclobutene ^{**}	C4F6	1.5	40	ppm	5	10	OTHER
Hexamethylene Diisocyanate	HDI	2.6	200	ppb	5	10	OTHER
HMDI	HMDI	1.2	100	ppb	5	10	OTHER
Hydrazine	N2H4	8	500	ppb	10	20	OTHER
Hydrogen Chloride	HCL	0.2	15	ppm	2	4	MINERAL ACIDS
Hydrogen Bromide	HBR	0.3	20	ppm	3	6	MINERAL ACIDS
Hydrogen Cyanide	HCN	0.4	20	ppm	4.7	9.4	OTHER
Hydrogen Fluoride	HF	0.4	10	ppm	2	4	MINERAL ACIDS
Hydrogen Selenide	H2Se	18.2	500	ppb	50	100	HYDRIDES
Hydrogen Sulfide	H2S	16.7	90	ppb	1000	2000	HYDRIDES
Hydrogen Sulfide	H2S	0.3	20	ppm	1	2	HYDRIDES
IPDI	IPDI	3	200	ppb	5	10	OTHER
MDI	MDI	1	200	ppb	5	10	OTHER
Nitric Acid	HNO3	12.5	6000	ppb	2000	4000	MINERAL ACIDS, OXIDIZERS
Nitrogen Dioxide	NO2	0.7	25	ppm	3	6	OXIDIZERS
Ozone	O3	30	300	ppb			OXIDIZERS
Phenyl Trichlorosilane ^{^^}	SiCl3Ph (HCl)	0.2	15	ppm	5	10	MINERAL ACIDS
Phosgene	COCl2	4.9	90	ppb	100	200	OTHER
Phosgene	COCl2	5.3	3000	ppb	100	200	OTHER
Phosphine	PH3	5	1500	ppb	300	600	HYDRIDES
Phosphorus Oxychloride ^{^^}	POCl3 (HCl)	0.2	15	ppm	5	10	MINERAL ACIDS
Phosphorus Pentachloride ^{^^}	PCl5 (HCl)	0.2	15	ppm	5	10	MINERAL ACIDS
Phosphorus Pentafluoride [^]	PF5 (HF)	0.4	10	ppm	2	4	OTHER
Phosphorus Tribromide ^{^^^}	PBr3 (HBr)	0.3	20	ppm	3	6	MINERAL ACIDS
Phosphorus Trichloride ^{^^}	PCl3 (HCl)	0.2	15	ppm	5	10	MINERAL ACIDS
Phosphorus Trifluoride [^]	PF3 (HF)	0.4	10	ppm	2	4	OTHER
Silane	SiH4	0.2	50	ppm	5	10	HYDRIDES
Silicon Tetrachloride ^{^^}	SiCl4(HCL)	0.2	15	ppm	5	10	MINERAL ACIDS
Sulfuric Acid	H2SO4	23.3	750	ppb	50	100	MINERAL ACIDS
Sulfur Tetrafluoride	SF4 (HF)	0.4	10	ppm	2	4	OTHER
Tetrafluorosilane [^]	SiF4 (HF)	0.4	10	ppm	2	4	OTHER
Tin Tetrachloride ^{^^}	SnCl4 (HCl)	0.2	15	ppm	5	10	MINERAL ACIDS
Toluene Diisocyanate	TDI	1.1	200	ppb	5	10	OTHER
Trichlorosilane ^{^^}	SiHCl3 (HCl)	0.2	15	ppm	5	10	HYDRIDES, MINERAL ACIDS
Sulfur Dioxide	SO2	24.9	2500	ppb	250	500	OTHER
Nitrogen Trifluoride ^{**}	NF3	1	50	ppm	5	10	MINERAL ACIDS
Tungsten Hexafluoride [^]	WF6 (HF)	0.4	10	ppm	2	4	OTHER
Silane	SiH4	0.2	50	ppm	5	10	HYDRIDES
Silane	SiH4	40	15,000	ppb	5,000	10,000	HYDRIDES
Silicon Tetrachloride ^{^^}	SiCl4 (HCl)	0.2	15	ppm	5	10	MINERAL ACIDS
Stibine	SbH3	14.6	500	ppb	100	200	HYDRIDES
Sulfur Dioxide	SO2	19.3	2,500	ppb	250	500	OTHER
Sulfur Tetrafluoride [^]	SF4 (HF)	0.2	10	ppm	2	4	MINERAL ACIDS
Sulfuric Acid	H2SO4	97.1	3,200	ppb	50	100	MINERAL ACIDS
Tetrakis(dimethylamido)titanium	TDMAT	0.1	10	ppm	1	2	OTHER
Tetrafluorosilane [^]	SiF4 (HF)	0.2	10	ppm	2	4	MINERAL ACIDS
Tin Tetrachloride ^{^^}	SnCl4 (HCl)	0.2	15	ppm	5	10	MINERAL ACIDS
Trichlorosilane ^{^^}	SiHCl3 (HCl)	0.2	15	ppm	5	10	MINERAL ACIDS
Tungsten Hexafluoride [^]	WF6 (HF)	0.2	10	ppm	2	4	MINERAL ACIDS
Velcorin	DMDC	8.9	200	ppb	40	80	OTHER

* Additional ranges may be available and are subject to change. Please see specific product brochure or contact DOD Technologies.

** Requires pyrolyzer option for detection

[^] Compounds which hydrolyze to HF

^{^^} Compounds which hydrolyze to HCl

^{^^^} Compounds which hydrolyze to HBr