



# DOD TECHNOLOGIES

The Leader in Low Level Toxic Gas Monitoring

The ChemLogic Portable Gas Detector provides handheld gas detection to meet a variety of applications. It's improved optics design and automated calibration makes the CLPX the most reliable and intuitive gas detector on the market. It is a truly versatile instrument that can be configured to detect a variety of gases, eliminating the need to purchase different instruments or gas keys to sample different gases. Changing the instrument from detecting one gas to another requires a simple cassette change.



**Pyrolyzer Option Detects  
Low Levels of NF<sub>3</sub>**



## ITEM | PORTABLE TOXIC CLPX | GAS DETECTOR

**EMERGENCY**



**RESPONSE**

**EASILY**



**PORTABLE**

**LONG**



**BATTERY LIFE**

**PYROLYZER**

**NF<sub>3</sub>**

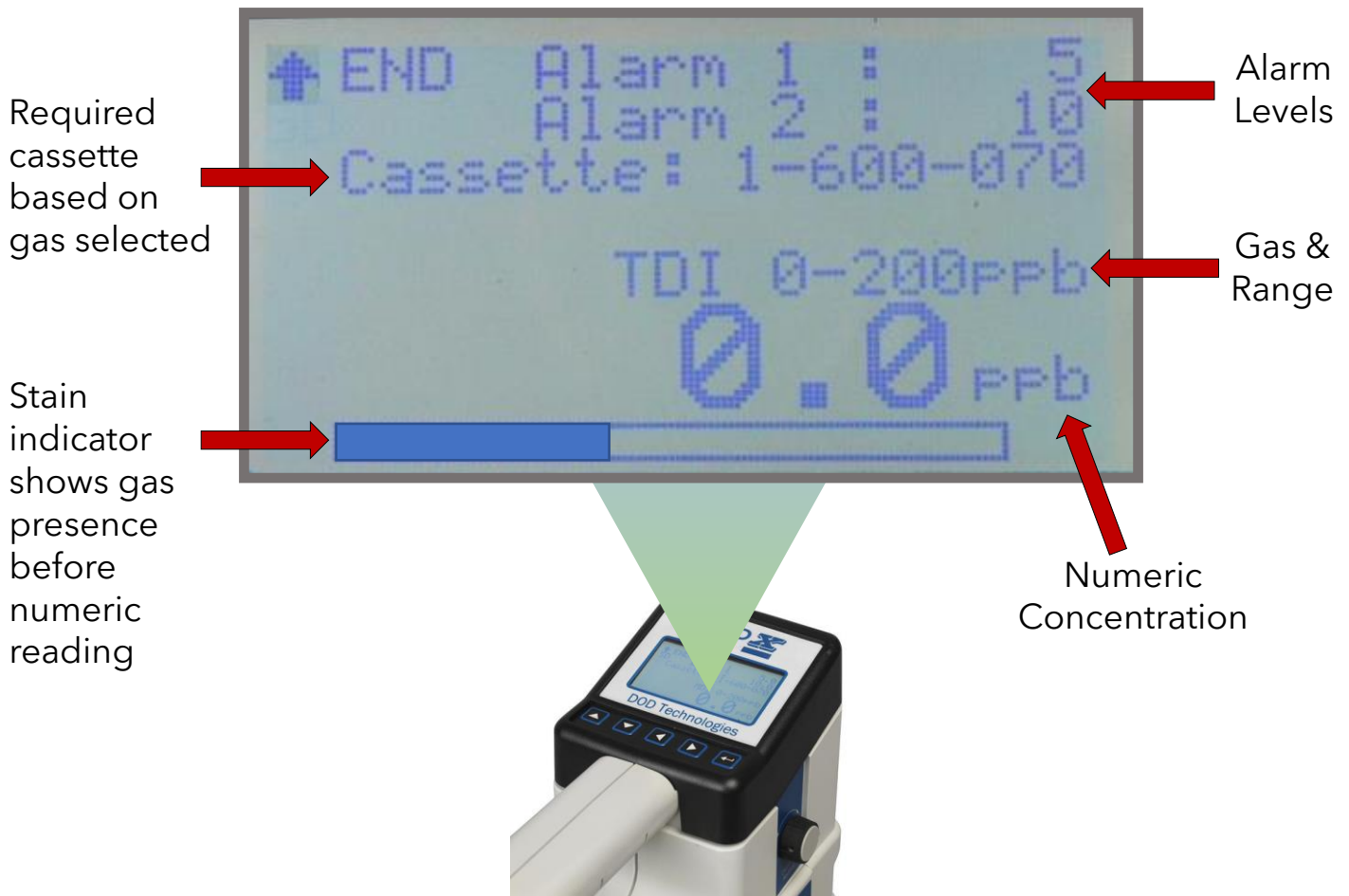
**OPTION**



## KEY FEATURES & BENEFITS

FEATURES	BENEFITS
Improved Optics	Provides low level gas detection in seconds
Alert Indicator	Immediate indication that gas is present
Automated Calibration	Eliminates the need for optical calibration
Built-In Data Logging	Micro SD card records up to 5 years of data
Real-time Trend Display	Provides date stamp of every event
Selectable Gas Curves	All calibrations user selected - no keys needed
Extended Battery Life	Up to 12 hours of continuous monitoring
Built-In STEL	Unit constantly calculates rolling 15-minute STEL
Multiple Alarm Levels	User selectable alarm levels
Purged Cassette	Tape media will not be affected by ambient air
Pyrolyzer Option	More detectable gases available

## EASY-TO-READ & NAVIGATE SCREENS





## TECHNICAL SPECIFICATIONS

SPEC NAME	SPECIFICATION DETAIL
Detection Principle	Colorimetric
Gas Families	Ammine, Hydrides, Mineral Acids, Oxidizers
Display	19" Color Touchscreen
Operating Temp.	40°F - 95°F   4°C - 35°C
Dimensions	8.6"H x 4.1"W x 11.3"D
Shipping Weight	6 lbs.
Data Logging	2GB Micro SD Card

## DETECTABLE GASES

### Hydrides

Arsine (AsH <sub>3</sub> )	0-50 ppb
Diborane (B <sub>2</sub> H <sub>6</sub> )	0-100 ppb
Germane (GeH <sub>4</sub> )	0-2,000 ppb
Hydrogen Selenide (H <sub>2</sub> Se)	0-20 ppm
Hydrogen Selenide (H <sub>2</sub> Se)	0-500 ppm
Phosphine (PH <sub>3</sub> )	0-1,500 ppb
Silane (SiH <sub>4</sub> )	0-50 ppm

### Mineral Acids

Boron Trifluoride (BF <sub>3</sub> )	0-5,000 ppb
Hydrogen Bromide (HBr)	0-20 ppm
Hydrogen Chloride (HCl)	0-15 ppm
Hydrogen Fluoride (HF)	0-10 ppm
Nitric Acid (HNO <sub>3</sub> )	0-6,000 ppb
Nitrogen Trifluoride (NF <sub>3</sub> )	0-50 ppm*
Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> )	0-750 ppb

### Oxidizers

Chlorine (Cl <sub>2</sub> )	0-3,200 ppb
Fluorine (F <sub>2</sub> )	0-3,200 ppb
Nitrogen Dioxide (NO <sub>2</sub> )	0-30 ppm

### Diisocyanates

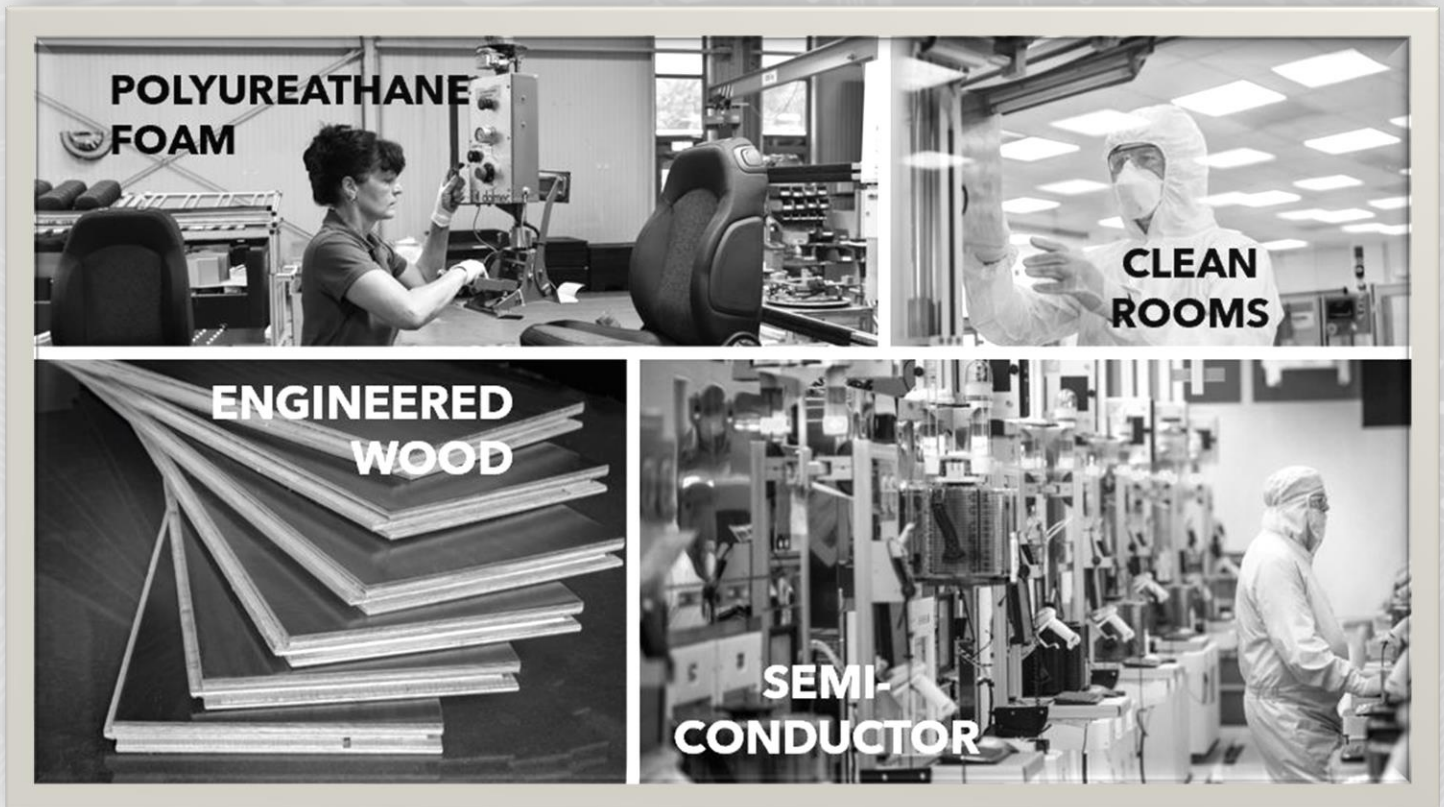
HDI	0-200 ppb
HMDI	0-100 ppb
MDI	0-200 ppb
TDI	0-200 ppb

### Other

Ammonia (NH <sub>3</sub> )	0-75 ppm
Hydrazine (N <sub>2</sub> H <sub>4</sub> )	0-500 ppb
Hydrogen Cyanide (HCN)	0-2,500 ppb
Nitrogen Trifluoride (NF <sub>3</sub> )	1-50 ppm
Ozone (O <sub>3</sub> )	0-300 ppb
Phosgene (COCl <sub>2</sub> )	0-90 ppb
Phosgene (COCl <sub>2</sub> )	0-3,000 ppb
Sulfur Dioxide (SO <sub>2</sub> )	24.9-2,500 ppb
TMA	30-50,000 ppb
DMA	50-50,000 ppb
TDMAT	10-20,000 ppb

\* Pyrolyzer Required - Detected as Hydrogen Fluoride after pyrolyzation





## REALIBILITY & SUPPORT

DOD Technologies is the leader in low level gas detection. We understand the value of your production, and we know that just one false alarm can cost companies thousands in lost productivity. That's why we engineered the ChemLogic product line for an enhanced standard of accuracy and reliability. Every day, DOD's gas detection technologies protect people and billions of dollars throughout the world. We have a worldwide network of service engineers who are knowledgeable and passionate about gas detection. Our portfolio includes fixed systems, portable gas detectors, controllers, systems integration and onsite field services.



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