

## ChemLogic® Long-Life Hydride Cassettes

ChemLogic Long-Life Hydride Cassettes are designed to be selective, quick responding and highly sensitive to target gases. They are designed to detect Arsine, Phosphine, Silane, Diborane, Germane, Hydrogen Sulfide, and Hydrogen Selenide.

In addition to the target gases listed above, other substances that will react to ChemLogic Hydride Cassettes include:

Arsine (AsH <sub>3</sub> )*	Phosphine (PH <sub>3</sub> )*	Diborane (B <sub>2</sub> H <sub>6</sub> )*
Germane (GeH <sub>4</sub> )*	Hydrogen Selenide (H <sub>2</sub> Se)*	Hydrogen Sulfide (H <sub>2</sub> S)*
Phosphine (PH <sub>3</sub> )*	Silane (SiH <sub>4</sub> )*	Dichlorosilane (SiH <sub>2</sub> Cl <sub>2</sub> )
Disilane (Si <sub>2</sub> H <sub>6</sub> )	Stibine (SbH <sub>3</sub> )	Trichlorosilane (SiHCl <sub>3</sub> )

### \* Available calibrations on ChemLogic CL1 and CL8

Dichlorosilane will also react. However, the ChemLogic Mineral Acids Cassette is recommended to achieve optimal results.

### ChemLogic Hydride Cassettes will NOT respond to:

Acetic Acid	Ethanol	Hydrogen Peroxide	Phosphoric Acid
Acetone	Ethylene Oxide	Isopropyl Alcohol	Sulfur Dioxide
Acetylene **	Freons	Isocyanates	Sulfuric Acid
Acids	Galden	Ketones	Toluene
Amines	Glycols	Methane	Trichloroethane
Ammonia	Hexane	Methanol	Trichloroethylene
Boron Trifluoride	Hydrazine	Nitrogen Oxides	Toluene
Carbon Monoxide	Hydrocarbons	Novec	Velcorin
Chlorine	Hydrogen	Ozone	
Chloroformates	Hydrogen Cyanide	Phosgene	

\*\* Percent levels of commercial grade acetylene may react on the Hydride Cassette due to impurities