Hydrogen Cyanide-2

KWIK DRAW
UNIPHOS

Part No. D5085824 **Part No. (US): 803945**

Performance :

Measurement Range	5 - 50 ppm	2 - 10 ppm
Number of Strokes	2	10
Sampling Time	20 - 30 seconds per stroke	
Relative Standard Deviation	Up to ± 25 %	
Colour Change	Blue ⟶ Yellow	

Reaction Principle :

$HCN + HgCl_2 \longrightarrow HCl$

HCl + pH Indicator ⟶ Yellow reaction product.

Operating Conditions :

Detector tubes can be used without compensation of the reading between 0 °C and 40 °C (32 °F and 104 °F) and between 10% RH [0.5 mg/l at 0 °C (32 °F)] and 90% RH [46 mg/l at 40 °C (104 °F)].

Interferences And Cross Sensitivities :

Compound	Interference
Hydrogen, Methane, Ethane, Propane, Butanes, Carbon Monoxide	No interference
Carbon Dioxide	No interference up to 15 Vol% (n=2) or 3 vol% (n=10)
Higher saturated hydrocarbons, Olefinic hydrocarbons , Aromatic hydrocarbons , Halogenated hydrocarbons, Nitriles, Carbon Disulfide, Acetic acid.	No interference up to 1 Vol% (n=2) or 2000 ppm (n=10).
Ammonia ,Sulfur dioxide	No interference up to 1000 ppm (n=2) or 200 ppm n=10
Hydrogen sulfide, Hydrogen Chloride	No interference up to 300 ppm (n=2) or 60 ppm (n=10). Hydrogen Sulfide discolors the protective layer from white to brown.
Nitrogen Dioxide	No interference up to 100 ppm (n=2) or 20 ppm (n=10)
Free halogens (Chlorine, Bromine)	Are not indicated but will decrease stain length of Hydrogen Cyanide indication.

TLV(TWA): N.A. TLV(STEL): 4.7 ppm Flammable Range: 6 - 40%