

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Hydrogen Cyanide HCN

TWA (TLV): NA

Ceiling (TLV): 4.7 ppm

SHN-4

Flammable Range: 6-40%

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	50 - 1000 ppm	150 - 3000 ppm
No. of Pump Strokes		1 (100 mL)	0.5 (50 ml)
Volume Correction Factor (VCF)*		1.0	3
Sampling Time	1 minute per pump stroke (100 mL)		
Color Change	Yellow → Red		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	HCN + HgCl ₂ → 2HCl + Hg (CN) ₂ HCl + Base → Chloride		
Relative standard deviation	± 10 %		

* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
SO ₂		+	Yellow to Red
HCl		+	Yellow to Red
H ₂ S		+	Yellow to Red
CH ₄	25000	No	No Effect

Correction for Environmental Parameters:

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
Relative humidity	Not necessary between 10 - 90 %.



Manufactured By: Uniphos Envirotronic Pvt. Ltd.
Nahuli (PO), Umbergaon (Tal.)
Valsad (Dist), Gujarat, India – 396108

Rev.060217