

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Hydrogen Cyanide HCN

## SHN-3

TWA (TLV): NA

Ceiling (TLV): 4.7 ppm

Flammable Range: 6-40%

### Specification:

	Extended	Standard	Extended
Measurement Range	2.5 - 50 ppm	5 - 100 ppm	10 - 200 ppm
No. of Pump Strokes	4 (400 mL)	2 (200 mL)	1 (100 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
Sampling Time	1.5 minutes per pump stroke		
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 <sub>2</sub> → 2HCl + Hg (CN) <sub>2</sub> 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 <sub>2</sub>		+	Yellow to Red
HCl		+	Yellow to Red
H <sub>2</sub> S		+	Yellow to Red
CH <sub>4</sub>	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

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