

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Hydrogen Sulfide $H_2S$

TLV (TWA): 1 ppm

TLV (STEL): 5 ppm

## SHS-4L

Flammable Range: 4-44%

### Specification:

Measurement Range	Extended	Standard	Extended
	1 - 10 ppm	10 - 250 ppm	250 - 500 ppm
No. of Pump Strokes	2-10 (200 - 1000 mL)	1 (100 mL)	0.5 (50 mL)
Volume Correction Factor (VCF)*	0.5 to 0.1	1.0	2.0
Sampling Time	1 minutes per pump stroke (100 mL)		
Color Change	White → Brown		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$H_2S + Pb(CH_3COO)_2 \rightarrow PbS + 2CH_3COOH$		
Relative standard deviation	± 10 – 15 %		

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

### Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Mercaptans	100	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.0521