

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Hydrogen Sulfide H<sub>2</sub>S

## SHS-7M

TWA (TLV): 1 ppm

STEL (TLV): 5 ppm

Flammable Range: 4-44%

### Specification:

	Extended	Standard	Extended
Measurement Range	0.05-1.0%	0.1-2.0%	0.2-4.0%
No. of Pump Strokes	2 (200 mL)	1 (100 mL)	0.5 (50 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
Sampling Time	2.5 minutes per pump stroke		
Color Change	Light Blue → Dark 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 <sub>2</sub> S + CuSO <sub>4</sub> → CuS + H <sub>2</sub> SO <sub>4</sub>		
Relative standard deviation	± 10 %		

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

### Possible Interferences:

Compound	Concentration (%)	Interference	Colour change / Comments
Mercaptans		+	Light Blue to Greenish Yellow
NH <sub>3</sub>	0.03	No	No effect
NO <sub>2</sub>	0.02	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.  
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