

# Information Data Sheet

**Detector Tube**      **H<sub>2</sub>S-0.1**  
**Part No. (US):**      **10023818**  
**Part No.**              **10023818**

## 1. Application

Detection of hydrogen sulfide (H<sub>2</sub>S) in air or in technical gases.

## 2. Detector Tube Sampling Pump

KWIK DRAW (formerly MSA AUER) Gas-Tester® IIH, Gas-Tester® I / ThumbPump™-Sampler, Toximeter® II, Uniphos Kwik-Draw™-Pump or other suitable detector tubes pumps. Observe respective instructions for use.

## 3. Measuring Range

0.1 ppm ... 6 ppm hydrogen sulfide at n=10 (10 stroke)

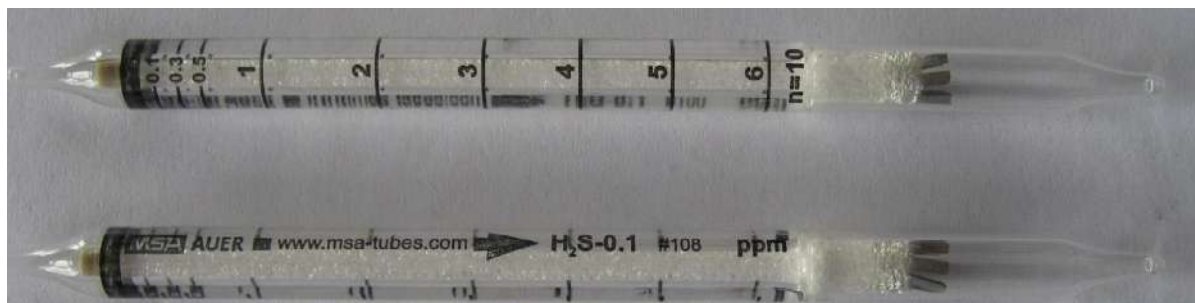
Any number of strokes from 1 to 10 can be chosen. For calculation use n=10 scale, relate as follows:

$$\text{ppm H}_2\text{S} = \frac{10}{\text{no. of strokes chosen}} \times \text{indication on n=10 scale}$$

## 4. Chemical Reaction and Color Change

Reaction of hydrogen sulfide with lead compound forming lead sulfide.

Color change:    White    →    Brown



## 5. Ambient Conditions During Sampling

Detector tubes can be used without compensation of the reading between 0 °C and 50 °C (32 °F and 120 °F) and between 10 % RH (0.5 g/m<sup>3</sup> at 0 °C [32 °F]) and 90 % RH (75 g/m<sup>3</sup> at 50 °C [120 °F]).

## 6. Interferences and Cross Sensitivities

a) No interference from:

- hydrogen, methane, ethane, propane, butanes, carbon monoxide, carbon dioxide.
- higher saturated hydrocarbons (e. g. hexanes, octanes), olefinic hydrocarbons (e. g. ethylene) aromatic hydrocarbons (e. g. benzene) up to 1 vol.% (n=10).
- sulfur dioxide, carbon disulphide up to 1000 ppm (n=10).
- phosphine up to 3000 ppm (n=10).
- Acetylene up to 1 vol.% (n=10).

*Manufactured By:*

**Uniphos Envirotronic Pvt. Ltd (100% EOU)**

P.O. Nahuli - 396 108

Tal. Umbergaon,

Dist: Valsad, Gujarat, India

Tel. : +91(260) 2730156 / 57 / 58

Fax : +91(260) 2730160

[gasdetection@uniphos-envirotronic.com](mailto:gasdetection@uniphos-envirotronic.com)

*Marketing Office:*

**Uniphos Envirotronic Pvt. Ltd**

Readymoney Terrace, 167,

Dr. Annie Besant Road, Worli,

Mumbai 400 018, India.

Tel. : +91(22) 6123 3500

Fax : +91(22) 2493 8826/+91 (22) 2497 8119

[www.kwikdrawtubes.com](http://www.kwikdrawtubes.com)