

# Information Data Sheet

**Detector Tube: Multigas- IV Detector Tube**

**Part No. (US):**

**Part No. : D7094871**

## 1. Application

Qualitative analysis of unknown gases listed in the Specifications in air or in technical gases.

## 2. Detector Tube Sampling Pump

KWIK DRAW (formerly MSA AUER) Gas-Tester® I/H, 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

Qualitative, Sampling volume 1 stroke ( n=1)

## 4. Chemical Reaction and Color Change

The tube contains five different indicating layers. On drawing the sample air containing one or more of twelve gases which can be detected by this tube, the indicating layer changes its colour following the chart given below.

Gas Name	Concentration (ppm)	Colour change / Comments
Ammonia	40	Yellow to Blue
	5	Yellow to Blue
Amines	50	Yellow to Blue
	5	Yellow to Blue
Sulphur Dioxide	20	Blue to Yellow
	2	Blue to Yellow
Acetic Acid	50	Blue to Yellow
Hydrogen Chloride	300	Blue to Yellow
Chlorine	20	Blue to Yellow
	5	Blue to Yellow
Nitrogen Dioxide	20	Blue to Violet
	5	White to Yellow
Hydrogen Sulphide	20	White to Brown
	10	White to Brown
Carbon Monoxide	50	Whole layer changes Yellow to brown
	10	Whole layer changes Yellow to light brown
Phosphine	30	Yellow to Black
	2	Yellow to Black
Acetylene	600	Whole layer changes Yellow to dark brown
Mercaptan	10	Yellow to Dark brown
	100	Yellow to Dark brown

## 5. Ambient Conditions During Sampling

Detector tubes can be used between 0°C and 40°C (32°F and 104°F) and between 10% R.H. (0.9 g/m<sup>3</sup> at 10°C [50°F]) and 90% R.H. (27 g/m<sup>3</sup> at 30°C [86°F]).

*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)