

# Information Data Sheet

**Detector Tube**      **Trichloroethane-5**

**Part No. (US):**      **487343**

**Part No.**              **D5086834**

## 1. Application

Detection of 1.1.1-trichloroethane (methylchloroform,  $\text{CH}_3\text{CCl}_3$ ).

## 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.

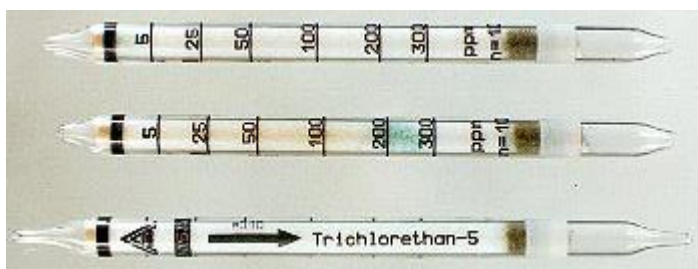
## 3. Measuring Range

5 ... 300 ppm 1.1.1-trichloroethane at n=10 (10 strokes).

## 4. Chemical Reaction and Color Change

Oxidation of trichloroethane by iodine pentoxide in fuming sulfuric acid.

Color change:    White      →      Brown / green.



## 5. Ambient Conditions During Sampling

Detector tubes can be used between 10 °C and 30 °C (50 °F and 85 °F) and up to 90% RH [27 g/m<sup>3</sup> at 30 °C (85 °F)].

## 6. Interferences and Cross Sensitivities

- a) No interference from:
  - methane, carbon dioxide.
  - hydrogen, ethane up to 1 Vol%, Higher concentrations discolour the indicating layer totally, so that stain end is not formed.
  - Sulphur dioxide, Nitrogen dioxide up to 1000 ppm.
- b) Carbon monoxide, hydrocarbons (e.g. propane, ethylene, acetylene, benzene), hydrogen sulfide, carbon disulfide, easily oxidizable halogenated hydrocarbons (e.g. trichloroethylene, perchloroethylene) and many other organic gases and vapors will be indicated. The sensitivity of indication is different.

*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)