

# Information Data Sheet

**Detector Tube    Formaldehyde-0.1**

**Part No. (US):    497649**

**Part No.            D5086813**

**1. Application**

Detection of formaldehyde (CH<sub>2</sub>O) in air or in technical gases.

**2. Detector Tube Sampling Pump**

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

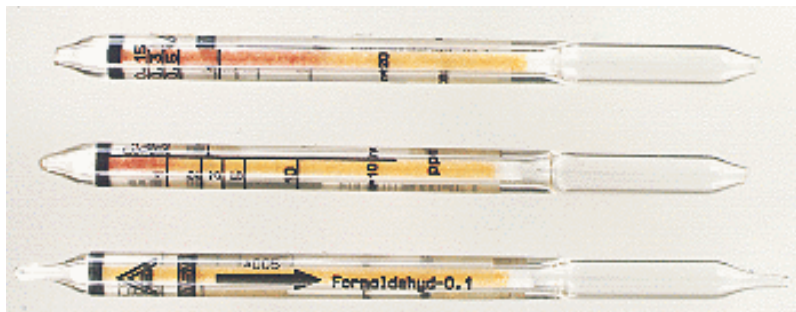
**3. Measuring Range**

1 ppm ... 10 ppm formaldehyde at n=10 (10 strokes).  
0.1 ppm ... 1 ppm formaldehyde at n=20 (20 strokes).

**4. Chemical Reaction and Color Change**

Reaction of formaldehyde with hydroxylamin phosphate. Change of pH-value causes color change of an acid-base-indicator.

Color change:    yellow    →    red.



**5. Ambient Conditions During Sampling**

• Detector tubes can be used without compensation of the reading between 5 °C and 30 °C (41 °F and 86 °F) and up to 70 % rh (4 - 21 g/m<sup>3</sup> at 30 °C [86 °F]).

**6. Interferences and Cross Sensitivities**

Other aldehydes (e.g. propionaldehyde), ketones (e.g. acetone), acidic gases (e.g. sulfur dioxide, nitrogen dioxide, hydrogen chloride) are also indicated. The sensitivity of indication is different.

*Manufactured By:*  
**Uniphos Envirotronic Pvt. Ltd**  
P.O. Nahuli - 396 108  
Tal. Umbergaon,  
Dist: Valsad, Gujarat, India  
Tel. : +91(260) 2730156 / 57 / 58  
Fax : +91(260) 2730160

*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

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

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