

Information Data Sheet

Detector Tube Ethylene-50

Part No. (US): 804428

Part No. D5086833

1. Application

Detection of ethylene (C₂H₄) in air or 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.

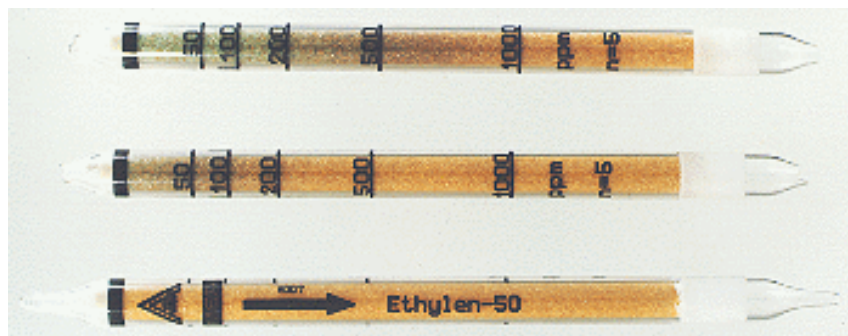
3. Measuring Range

50 ppm ... 1,000 ppm ethylene at n=5 (5 pump strokes).

4. Chemical Reaction and Color Change

Oxidation of ethylene by a chromate/sulfuric acid reagent.

Color change: Orange → Green/brown



5. Ambient Conditions During Sampling

Detector tubes can be used without compensation of the reading between 0 °C and 40 °C (32 °F and 104 °F) and up to 90% RH [46 g/m³ at 40 °C (104 °F)].

6. Interferences and Cross Sensitivities

- No interference from:
 - hydrogen, methane, ethane, carbon monoxide, carbon dioxide.
 - sulfur dioxide, nitrogen dioxide up to 1000 ppm.
- Propane, butanes, acetylene discolour the whole indicating layer, a sharp stain edge is not formed.
- Higher saturated hydrocarbons (e.g. hexanes, octanes), aromatic hydrocarbons (e.g. benzene), hydrogen sulfide are 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

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