

Information Data Sheet



Detector Tube Ethanol-100

Part No. (US): 804136

Part No. D5086818

1. Application

Detection of ethanol (ethyl alcohol, C₂H₅OH).

2. Detector Tube Sampling Pump

UNIPHOS 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.

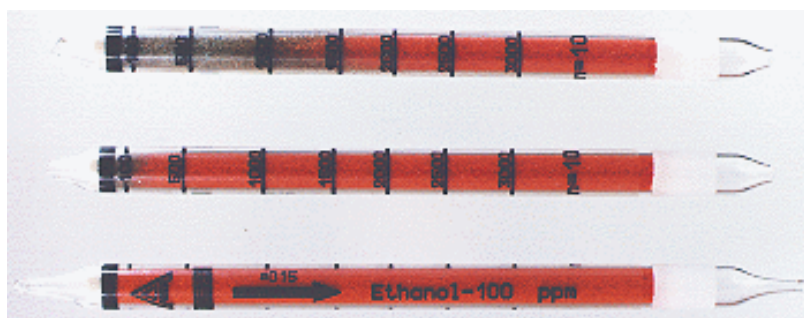
3. Measuring Range

100 ppm ... 3,000 ppm triethylamine at n=10 (10 pump strokes).

4. Chemical Reaction and Color Change

Oxidation of ethanol by a chromate/sulfuric acid reagent.

Color change: red → greyish-green



5. Ambient Conditions During Sampling

Detector tubes can be used without compensation of the reading between 0 °C and 30 °C (32 °F and 86 °F) and between 10% rh [0.5 g/m³ at 0 °C (32 °F)] and 90% rh [27 g/m³ at 30 °C (86 °F)].

6. Interferences and Cross Sensitivities

- a) No interference from:
- hydrogen, hydrocarbons (methane, ethane, ethylene), carbon monoxide, carbon dioxide.
 - halogenated hydrocarbons (e.g. trichloroethane, trichloroethyle, chlorobenzene), hydrogen sulfide, carbon disulfide, acetic acid up to 5,000 ppm.
 - aldehydes, ketones, ethers, esters up to 1,000 ppm.

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