

# Information Data Sheet



**Detector Tube Ethanol-100**

**Part No. (US): 804136**

**Part No. D5086818**

## 1. Application

Detection of ethanol (ethyl alcohol, C<sub>2</sub>H<sub>5</sub>OH).

## 2. Detector Tube Sampling Pump

UNIPHOS KWIK DRAW (formerly MSA AUER) GasTester<sup>®</sup> I/H, GasTester<sup>®</sup> I / ThumbPump<sup>™</sup> Sampler, Toximeter<sup>®</sup> II, Uniphos KwikDraw<sup>™</sup> Pump or other suitable detector tubes pumps. Observe respective instructions for use.

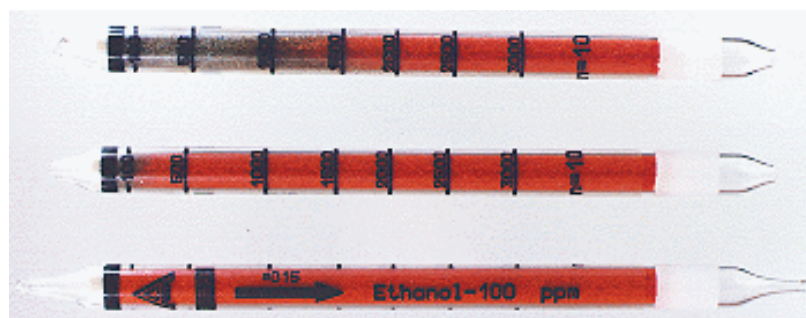
## 3. Measuring Range

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

## 4. Chemical Reaction and Color Change

Oxidation of ethanol by a chromate/sulfuric acid reagent

Color change: red → greyishgreen



## 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/m<sup>3</sup> at 0 °C (32 °F)] and 90% rh [27 g/m<sup>3</sup> 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, trichloroethylene, 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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