

# Information Data Sheet

**Detector Tube Propane-200**

**Part No. (US): 804418**

**Part No. D5086831**

## 1. Application

Detection of propane (C<sub>3</sub>H<sub>8</sub>) in air or 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.

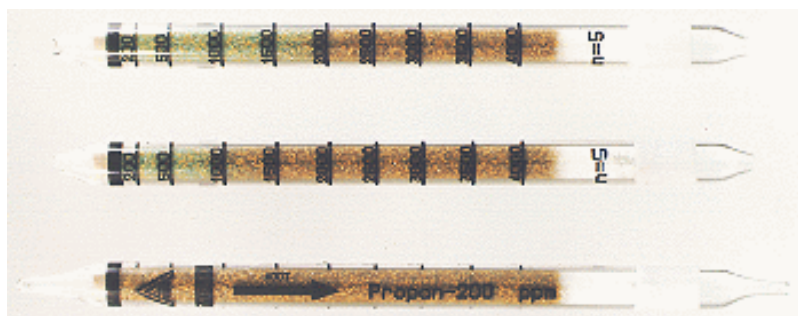
## 3. Measuring Range

200 ppm ... 4,000 ppm propane at n=5 (5 pump strokes).

## 4. Chemical Reaction and Color Change

Oxidation of propane by a chromate/sulfuric acid reagent.

Color change: orange → green/brown-black



## 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/m<sup>3</sup> at 40 °C (104 °F)].

## 6. Interferences and Cross Sensitivities

- a) No interference from:
  - hydrogen, methane, ethane, carbon monoxide, carbone dioxide.
  - sulfur dioxide up to 5000 ppm.
  - nitrogen dioxide up to 1000 ppm.
  - hydrogen sulfide, aromatic hydrocarbons (e.g. benzene) up to 200 ppm.
- b) Pentanes and higher saturated hydrocarbons, olefinic hydrocarbons (e.g. ethylene), acetylene, carbon disulfide are indicated. The sensitivity of indication is lower than for propane.

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