

Information Data Sheet

Detector Tube Propane-200

Part No. (US): 804418

Part No. D5086831

1. Application

Detection of propane (C₃H₈) 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.

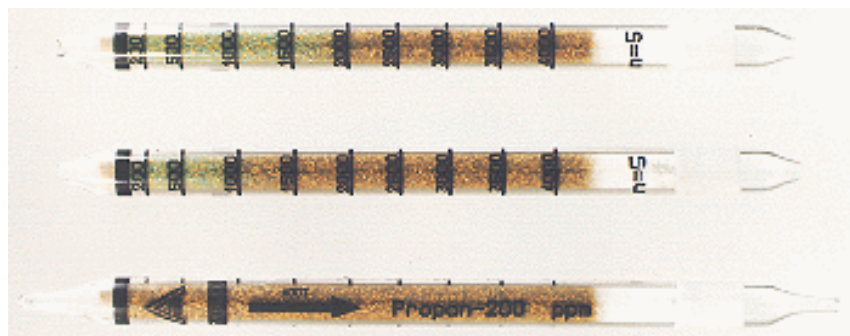
3. Measuring Range

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/m³ at 40 °C (104 °F)].

6. Interferences and Cross Sensitivities

a) No interference from:

- hydrogen, methane, ethane, carbon monoxide, carbon 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 disulphide are indicated. The sensitivity of indication is lower than for propane.

Manufactured By:

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