

Information Data Sheet



Detector Tube **Natural gas**

Part No. (US): **655789**

Part No. **D5086846**

1. Application

Qualitative detection of methane (CH₄) in natural gas or air/natural gas - mixtures.

2. Detector Tube Sampling Pump

UNIPHOS KWIK DRAW(formerly MSA AUER) Gas-Tester® I/H, 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

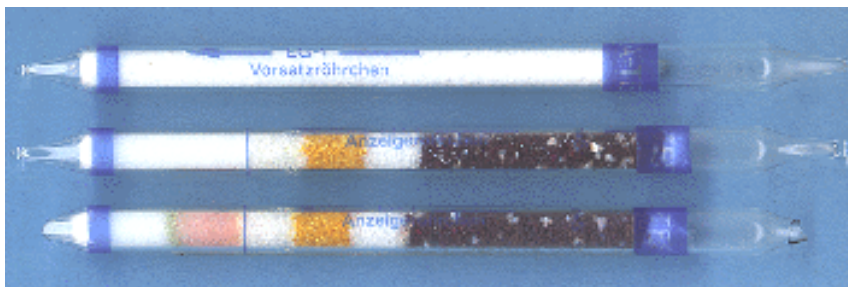
More than 0,5 Vol% methane at n=5 (5 strokes). Attention: The stain length is not equivalent to concentration of methane.

4. Chemical Reaction and Color Change

Oxidation of methane with potassiumpermanganate and fuming sulfuric acid to carbonmonoxide.

Reaction of carbonmonoxide with potassiumiodate in fuming sulfuric acid.

Color change: white → green/brown.



5. Ambient Conditions During Sampling

Detector tubes can be used between 0°C and 40°C (32°F and 95°F).

6. Interferences and Cross Sensitivities

- a) ethane, propane and carbonmonoxide will be indicated
- b) no interference from other hydrocarbons

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