

Information Data Sheet

Detector Tube **CO₂-0,1%**

Part No. (US): **487333**

Part No. **D5085817**

1. Application

Detection of carbon dioxide (CO₂) in air or in 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

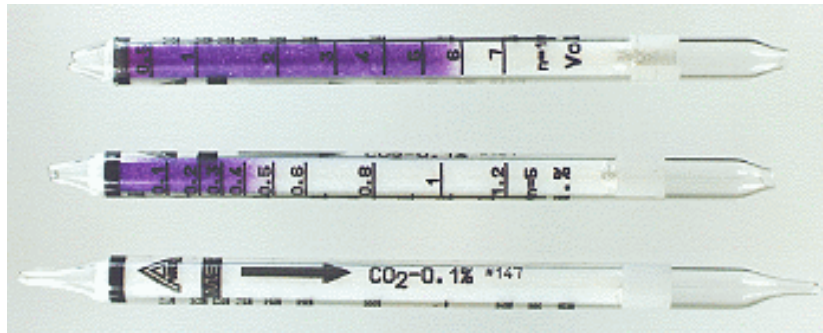
0.5 vol.% ... 7 vol.% carbon dioxide at n=1 (1 stroke)

0.1 vol.% ... 1.2 vol.% carbon dioxide at n=5 (5 strokes)

4. Chemical Reaction and Color Change

Reaction of carbon dioxide with hydrazine. Change of pH-value indicated by color change of acid-base indicator.

Color change: white → violet.



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 between 10 % rh (0.5 g/m³ at 0 °C [32 °F]) and 90 % rh (46 g/m³ at 40 °C [104 °F]).

6. Interferences and Cross Sensitivities

a) No interference from:

- hydrogen, methane, ethane, propane, butanes, carbon monoxide.
- higher saturated hydrocarbons (e. g. hexanes, octanes), olefinic hydrocarbons (e. g. ethylene), aromatic hydrocarbons (e. g. benzene) up to 1 vol.% (n=5).
- Sulfur dioxide, hydrogen sulfide, nitrogen dioxide, hydrogen chloride and other acidic gases up to 1000 ppm (n=1) or 200 ppm (n=5).
- ammonia up to 1000 ppm (n=1) or 200 ppm (n=5).

Manufactured By:

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