

Information Data Sheet

Detector Tube CO₂-100

Part No. (US): 497606

Part No. D5086814

1. Application

Detection of carbon dioxide (CO₂) 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.

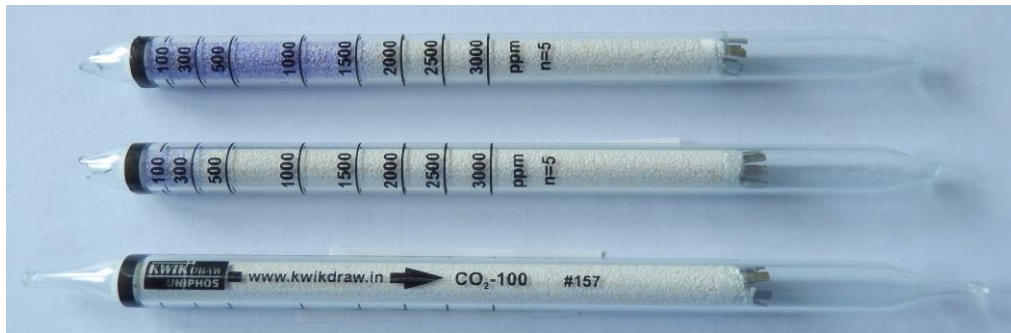
3. Measuring Range

100 ppm ... 3000 ppm carbon dioxide at n=5 (5 strokes).

4. Chemical Reaction and Color Change

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

Color change: White → Blue



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 dioxide.
- higher saturated hydrocarbons (e.g. hexanes, octanes), olefinic hydrocarbons (e.g. ethylene), aromatic hydrocarbons (e.g. benzene) up to 1 % vol.
- sulfur dioxide, hydrogen sulfide, nitrogen dioxide, hydrogen chloride and other acidic gases up to 100 ppm.
- ammonia up to 100 ppm

Manufactured By:

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