

Information Data Sheet

Detector Tube **CO-0,5 %**

Part No. (US): **487335**

Part No. **D5085835**

1. Application

Detection of carbon monoxide (CO) in air or in technical gases.

2. Detector Tube Sampling Pump

UNIPHOS 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.

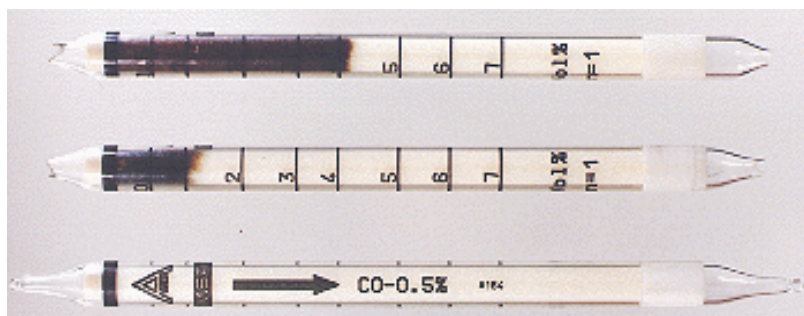
3. Measuring Range

0.3 vol.% ... 7 vol.% carbon monoxide at n=1 (1 stroke).

4. Chemical Reaction and Color Change

Oxidation of carbon monoxide by iodine pentoxide in fuming sulfuric acid.

Color change: white/yellowish → brown



5. Ambient Conditions During Sampling

Detector tubes can be used between 0 °C and 40 °C (32 °F and 104 °F).

6. Interferences and Cross Sensitivities

- a) No interference from:
 - Hydrogen, methane, ethane, carbon dioxide, as well in concentrations above 50 vol.%.
 - sulfur dioxide, nitrogen dioxide, propane up to 10 vol.%.
 - higher saturated hydrocarbons (e.g. hexanes, octanes), olefinic hydrocarbons (e.g. ethylene) up to 1000 ppm.
- b) Interfering concentrations of hydrocarbons may be eliminated by adding a charcoal filter tube Ads (804403).

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