

# Information Data Sheet

## Action Detector Tube CO<sub>2</sub>-A

Part No. (US): 804420

Part No. D5085758

### 1. Application

Quick orientative check of ambient atmosphere for hazardous carbon dioxide (CO<sub>2</sub>) concentrations.

### 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

The action detector tube has two marks conforming the following concentrations:

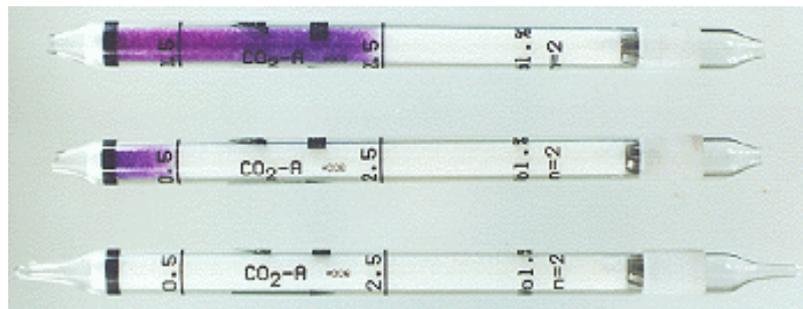
Mark 1: 0.5 vol. % carbon dioxide at n=2 (2 strokes).

Mark 2: 2.5 vol. % carbon dioxide at n=2 (2 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 → 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/m<sup>3</sup> at 0 °C (32 °F)] and 90% rh [46 g/m<sup>3</sup> at 40 °C (104 °F)].

### 6. Interferences and Cross Sensitivities

- a) No interference from:
- hydrogen, methane, ethane, propane, butanes, carbon dioxide.
  - nitrous oxide up to 10 vol %.
  - higher saturated hydrocarbons (e.g. hexanes, octanes), aromatic hydrocarbons (e.g. benzene) up to 1 % vol.
  - acidic gases (e.g. sulfur dioxide, hydrogen sulfide, nitrogen dioxide, hydrogen chloride, hydrogen cyanide, chlorine, phosgene) up to 500 ppm.
  - nitric oxide, ammonia, phosphine up to 500 ppm

Manufactured By:

**Uniphos Envirotronic Pvt. Ltd (100% EOU)**

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