

Information Data Sheet

Action Detector Tube CO₂-A

Part No. (US): 804420

Part No. D5085758

1. Application

Quick orientative check of ambient atmosphere for hazardous carbon dioxide (CO₂) concentrations.

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

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

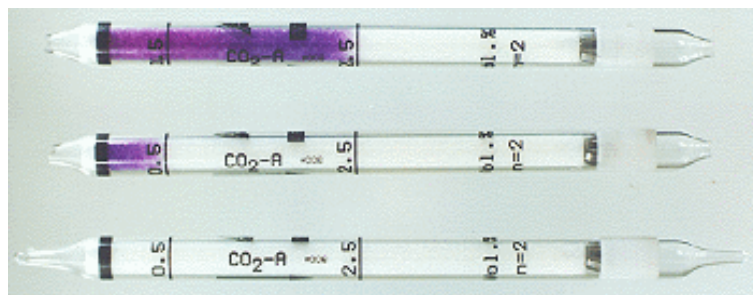
Mark 1: 0,5 vol. % carbon dioxide at n=2 (2 strokes).

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/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.
- 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

P.O. Nahuli - 396 108

Tal. Umbergaon,

Dist: Valsad, Gujarat, India

Tel. : +91(260) 2730156 / 57 / 58

Fax : +91(260) 2730160

gasdetection@uniphos.com

Marketing Office:

Uniphos Envirotronic Pvt. Ltd

Readymoney Terrace, 167,

Dr. Annie Besant Road, Worli,

Mumbai 400 018, India.

Tel. : +91(22) 6123 3500

Fax : +91(22) 2493 8826/+91 (22) 2497 8119

www.kwikdrawtubes.com