

Information Data Sheet

Detector Tube Phosgen-0.1

Part No. (US): 803949

Part No. D5085854

1. Application

Detection of (carbonyl chloride, COCl_2) in air or in technical gases.

2. Detector Tube Sampling Pump

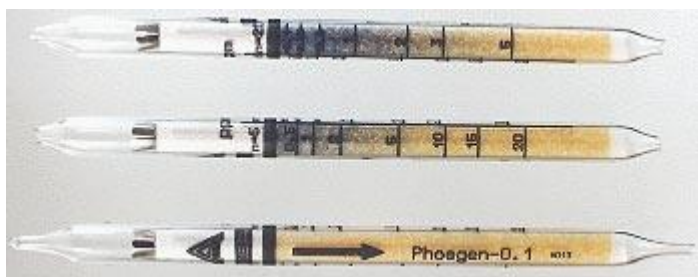
KWIK DRAW(formerly MSA AUER) Gas-Tester[®] I/H, Gas-Tester[®] I / ThumbPump[™]-Sampler, Toximeter[®] II, Uniphos Kwik-Draw[™]-Pump or other suitable detector tubes pumps. Observe respective instructions for use.

3. Measuring Range

1 ppm ... 20 ppm sulfur dioxide at n=5 (5 stroke).
0.1 ppm ... 5 ppm sulfur dioxide at n=20 (20 strokes).

4. Chemical Reaction and Color Change

Reaction of phosgene with an aromatic amino aldehyde and an aromatic amine.
Color change: Yellow → Green or Blue/green



5. Ambient Conditions During Sampling

Detector tubes can be used without compensation of the reading between 5 °C and 35 °C (41 °F and 95 °F) and in the humidity range up to 20 g/m³ [(90% RH at 25°C (77°F), 50% RH at 35°C (95°F)].

6. Interferences and Cross Sensitivities

- a) No interference from:
- Hydrogen, carbon dioxide up to 10 vol% (n =5) or 2vol% (n =20).
 - carbon monoxide, methane, ethane, propane, higher saturated hydrocarbons (e.g. hexanes, octanes), aromatic hydrocarbons (e.g. benzene), halogenated hydrocarbons (e.g. trichloroethane, trichloro- ethylene) up to 1 vol%(n =5) or 2000 ppm (n= 20).
 - sulfur dioxide, hydrogen cyanide up to 100 ppm (n = 5) or 20 ppm (n = 20).
 - chlorine, hydrogen chloride, nitrogen dioxide up to 20 ppm (n = 5) or 5 ppm (n = 20).
- b) Ammonia is not indicated but will decrease stain length of phosgene indication.

Manufactured By:

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