

Information Data Sheet

Detector Tube **ClO₂-0.05**

Part No. (US): **804133**

Part No. **D5086812**

1. Application

Detection of chlorine dioxide (ClO₂) in air or in 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.

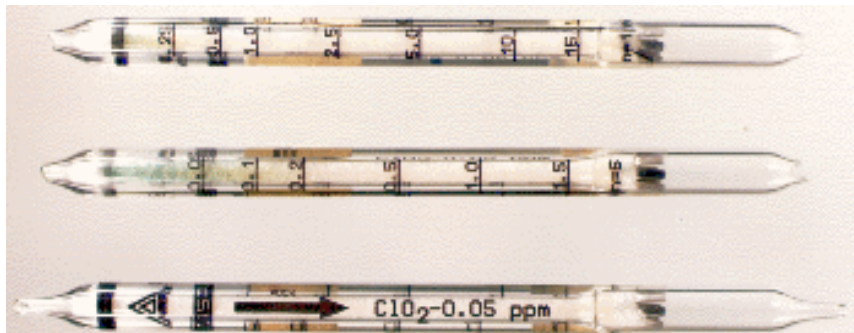
3. Measuring Range

0.25 ppm ... 15 ppm chlorine dioxide at n=1 (1 stroke).
0.05 ppm ... 2 ppm chlorine dioxide at n=5 (5 strokes).

4. Chemical Reaction and Color Change

Oxidation of an aromatic amine by chlorine dioxide.

Color change: White → Brown



5. Ambient Conditions During Sampling

• Detector tubes can be used without compensation of the reading between 5 °C and 30 °C (41 °F and 86 °F) and up to 80 % RH (24 g/m³ at 30 °C [86 °F]).

6. Interferences and Cross Sensitivities

- a) No interference from:
– carbon dioxide.
- b) Bromine, nitrogen dioxide will be indicated. Sensitivity of indication is different.
- c) Hydrogen sulfide, ammonia, ethylene are not indicated but will increase the stain length of chlorine dioxide indication.

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