

Information Data Sheet



Detector Tube Ozone-0,05

Part No. (US): 804140

Part No. D5086828

1. Application

Detection of ozone (O₃) 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.

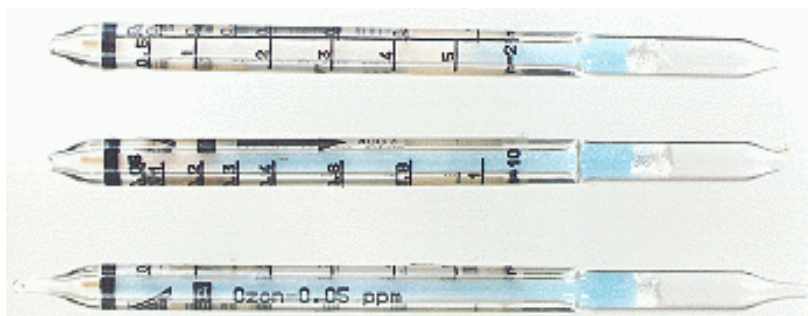
3. Measuring Range

(0,5 ... 5) ppm ozone at n=2 (2 strokes).
(0,05 ... 1) ppm ozone at n=10 (10 strokes).

4. Chemical Reaction and Color Change

Oxidation of indigotine to isatine by ozone.

Color change: light blue → white.



5. Ambient Conditions During Sampling

• Detector tubes can be used between 0° C and 40° C (32° F and 104° F) and between 20 % rh (1.0 g/m³ at 0° C [32° F]) and 80 % rh (41 g/m³ at 40° C [104° F]).

6. Interferences and Cross Sensitivities

- a) No interference from:
 - Carbon dioxide, as well in concentrations above 50 vol. %.
 - Sulfur dioxide up to 1 ppm (n=10).
- b) Nitrogen dioxide and chlorine in concentrations up to 1 ppm (n=10) do not interfere. Higher concentrations discolor indicating layer to diffusive white or light grey.

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