

Nitrous Fumes 0.5/a

Catalog No CH29401

Standard Measuring Range: 0.5 to 10 ppm
Number of Strokes (n): 5
Time for Measurement: about 40 seconds
Standard Deviation ± 10 to 15%
Color Change: pale green to blue grey

Ambient Operation Conditions

Temperature: 0 to 40°C
Absolute Humidity: maximum 40 mg H₂O/L

Reaction Principle

- a) $\text{NO} + \text{Cr}^{\text{VI}} \longrightarrow \text{CNO}_2$
b) $\text{NO}_2 + \text{Diphenylbenzidine} \longrightarrow \text{blue grey reaction product}$

Cross Sensitivity

It is impossible to measure nitrous fumes in the presence of ozone and/or chlorine in excess of their TLV's, this gases are also indicated with different sensitivity.

Nitrogen dioxide concentrations above 300 ppm can bleach the indication.



Dräger

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PO Box 894

DeMotte, IN 46310

800.952.3293 • 219.987.6825 • fax 219.987.6826

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