

Nitr-A (Nitrous Fumes)

KWIKDRAW
UNIPHOS

Part No. D5085760

Part No. (US): 804427

Performance:

Measurement Range	Mark 1: 5 ppm	Mark 2: 25 ppm
Number of Strokes	2	
Sampling Time	20 - 30 seconds per stroke	
Relative Standard Deviation	Up to $\pm 25\%$	
Colour Change	White or light blue \rightarrow Dark blue	

Reaction Principle:

Nitrous Fumes + Oxidizer \rightarrow NO₂

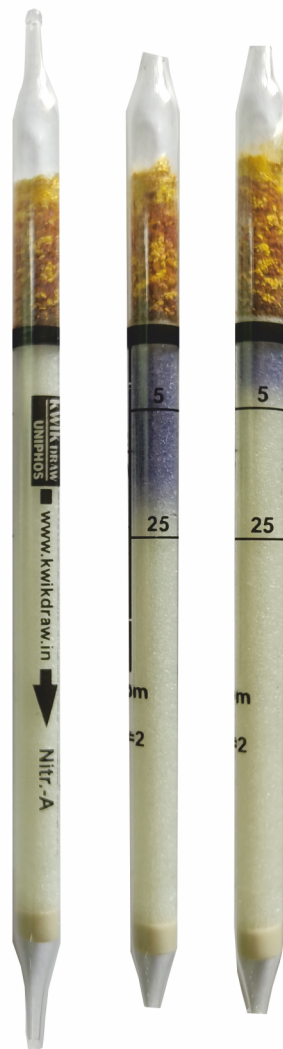
NO₂ + Aromatic amine \rightarrow Colored reaction product.

Operating Conditions:

Detector tubes can be used without compensation of the reading between 5 °C and 35 °C (40 °F and 95 °F) and between 10% RH [0.7 mg/l at 5 °C (40 °F)] and 90% RH [36 mg/l at 35 °C (95 °F)].

Interferences and Cross Sensitivities:

Compound	Interference
Hydrogen, Methane, Ethane, Propane, Carbon Monoxide, Carbon dioxide	No interference
Nitrous Oxide	No interference up to 1 vol%.
Higher saturated hydrocarbons, (e.g. Butanes, Octanes), Aromatic hydrocarbons (e.g. Benzene), Sulphur dioxide	No interference up to 1000 ppm
Hydrogen chloride, Hydrogen cyanide, Phosgene	No interference up to 100 ppm
Olefinic hydrocarbons (e.g. ethylene), Hydrogen Sulphide, Ammonia, acetylene	Are not indicated, but possibly will shorten indication stain of Nitrous fumes.
Halogens (chlorine, bromine), chlorine dioxide, ozone.	Will be indicated with different sensitivity.



TLV(TWA): NO: 25 ppm, NO₂: 0.2 ppm

Flammable Range: N.A.