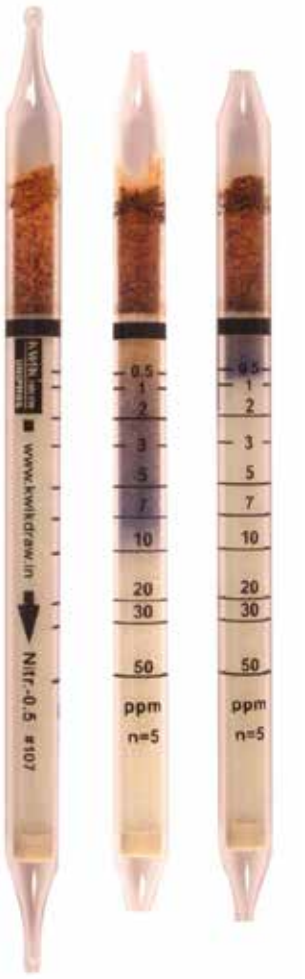
Nitr-0.5 (Nitrous Fumes)

KWIK DRAW
UNIPHOS

Part No. D5085818 **Part No. (US): 487336**

Performance :

Measurement Range	0.5 - 50 ppm
Number of Strokes	5
Sampling Time	20 - 30 seconds per stroke
Relative Standard Deviation	±15 to 25 %
Colour Change	White or light blue ⟶ Dark blue



Reaction Principle :

Nitrous Fumes + Oxidizer → NO_2
NO_2 + Aromatic amine → 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
Halogens (chlorine, bromine), chlorine dioxide, ozone.	Will be indicated with different sensitivity.
Hydrogen Sulphide, Ammonia, Olefinichydrocarbons (e.g. ethylene), acetylene	Are not indicated, but possibly will shorten indication stain of Nitrous fumes.

TLV(TWA): NO: 25 ppm, NO_2 : 0.2 ppm

Flammable Range: N.A