

Nitrogen Dioxide-0.5

KWIK[®]DRAW
UNIPHOS

Part No. D5085805

Part No. (US): 487341

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 :

$\text{NO}_2 + \text{Aromatic amine} \rightarrow \text{Colored reaction product.}$

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, Nitrous oxide	No interference
Higher saturated hydrocarbons, (e.g. Butanes, Octanes), Aromatic hydrocarbons (e.g. Benzene), Sulphur dioxide, Hydrogen Chloride phosphine	No interference up to 1000 ppm
Halogens (chlorine, bromine), chlorine dioxide, ozone.	Will be indicated with different sensitivity.
Olefinic hydrocarbons (e.g. ethylene), acetylene sulfide, ammonia	Are not indicated, but possibly will shorten indication stain of Nitrogen dioxide



TLV(TWA): 0.2 ppm

TLV(STEL): N.A.

Flammable Range: N.A