

Nitrogen Dioxide-2

KWIK DRAW
UNIPHOS

Part No. D5085867

Part No. (US): 804435

Performance:

Measurement Range	5 - 140 ppm	2 - 70 ppm
Number of Strokes	5	10
Sampling Time	20 - 30 seconds per stroke	
Relative Standard Deviation	±15 to 25 %	
Colour Change	White or light blue → Dark blue	

Reaction Principle:

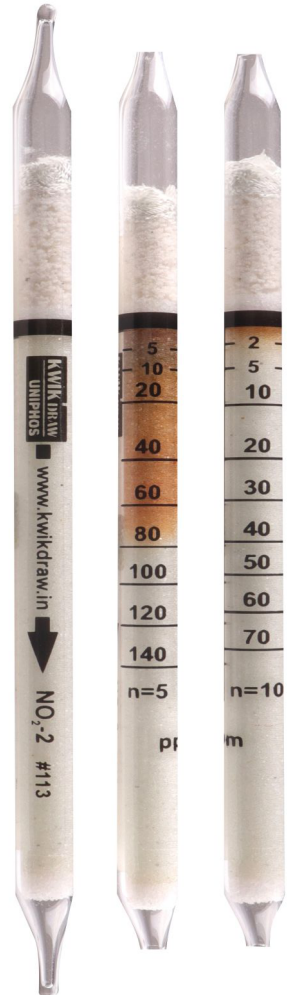
$\text{NO}_2 + \text{Aromatic amine} \rightarrow \text{Colored reaction product.}$

Operating Conditions:

Detector tubes can be used without compensation of the reading between 10 °C and 30 °C (50 °F and 86 °F) and between 10% RH [0.7 mg/l at 5 °C (41 °F)] and 80% RH [24 mg/l at 30 °C (86 °F)].

Interferences and Cross Sensitivities:

Compound	Interference
Hydrogen, Methane, Ethane, Propane, Carbon Monoxide, Carbon dioxide, Nitrous oxide, Nitrogen Dioxide	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



TWA(TLV): 0.2 ppm

TLV(STEL): N.A.

Flammable Range: N.A.