

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:

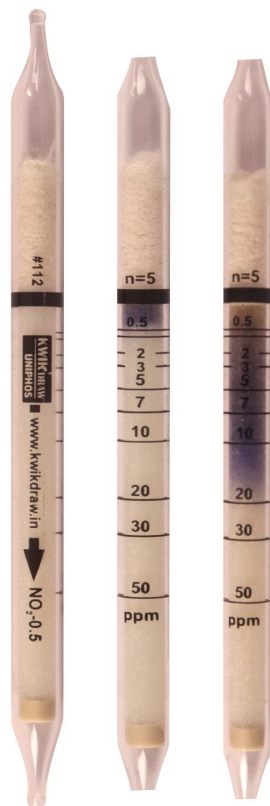
$\text{NO}_2 + \text{Aromatic amine} \rightarrow \text{Colored reaction product.}$

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.