

Sulphur Dioxide-100

KWIK DRAW
UNIPHOS

Part No. D5085825

Part No. (US): 497661

Performance:

Measurement Range	500 - 4000 ppm	100 - 500 ppm
Number of Strokes	1	5
Sampling Time	20 - 30 seconds per stroke	
Relative Standard Deviation	±15 to 25 %	
Colour Change	Violet → Yellow	

Reaction Principle:

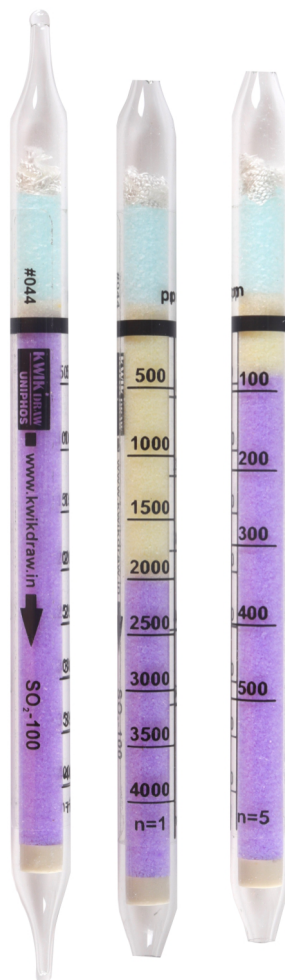
$\text{SO}_2 + \text{pH indicator} \rightarrow \text{Color change of pH indicator.}$

Operating Conditions:

Detector tubes can be used between 0°C and 40°C (32°F and 104°F) and between 10% RH (0.5 mg/l at 0°C [32°F]) and 90% RH (46 mg/l at 40°C [104°F]).

Interferences and Cross Sensitivities:

Compound	Interference
Hydrogen, Methane, Ethane, Propane, Butane Carbon Monoxide, Carbon dioxide, Nitric oxide	No interference
Higher saturated hydrocarbons, Aromatic hydrocarbons (Hexane, Octane), Olefinic hydrocarbons (e.g. Ethylene), Aromatic hydrocarbons (e.g. benzene).	No interference up to 5000 ppm
Hydrogen sulphide	No interference up to 1000 ppm (n=1) or 200 ppm (n=5). Hydrogen sulphide will be retained by the protective layer.
Nitrogen dioxide	No interference up to 1000 ppm (n=1) or 200 ppm (n=5)
Hydrogen chloride	No interference up to 100 ppm (n=1) or 200 ppm (n=5)



TLV(TWA): N.A.

TLV(STEL): 0.25 ppm

Flammable Range: N.A.