Hg-0.01 (Mercury Vapours)

KWIK DRAW
UNIPHOS

Part No. D5085843 **Part No. (US): 497663**

Performance :

Measurement Range	0.1 - 0.8 mg/m³	0.012-0.096 ppm
Number of Strokes	20	
Sampling Time	20 - 30 seconds per stroke	
Relative Standard Deviation	Up to ± 20 % to ± 30%	
Colour Change	Greyish White ⟶ Light reddish yellow	

Reaction Principle :

$Hg + 2Cu_2I_2 \longrightarrow Cu_2(HgI_4) + 2Cu$

Operating Conditions :

Detector tubes can be used without compensation of the reading between 10 °C and 40 °C (50 °F and 104 °F) and between 10% RH [0.9 mg/l at 10 °C (50 °F)] and 80% RH [41 mg/l at 40 °C (104 °F)].

Interferences And Cross Sensitivities :

Compound	Interference
Hydrogen, Methane, Ethane, Propane, Butanes, Carbon Monoxide, Carbon dioxide	No interference
Higher saturated hydrocarbons (e.g. Hexanes, Octanes), Olefinic hydrocarbons (e.g. Ethylene), Aromatic hydrocarbons (e.g. Benzene), Alcohols, Ketones, Ethers, Esters	No interference up to 1000 ppm.
Hydrogen sulphide, Ammonia	No interference up to 100 ppm
Sulfur dioxide, Hydrogen chloride, Hydrogen cyanide	No interference up to 5 ppm
Chlorine, Bromine, Nitrogen Dioxide	Will shorten the stain length of Mercury indication even in conc. lower than 1 ppm.

TLV(TWA): 0.025 mg/m³ TLV(STEL): ------- Flammable Range: NA