Hydrogen Fluoride-1

KWIK DRAW UNIPHOS

Part No. D5086830

Part No. (US): 804142

Performance:

Measurement Range	5 - 50 ppm	1 - 12 ppm
Number of Strokes	2	8
Sampling Time	20 - 30 seconds per stroke	
Relative Standard Deviation	±15 to 25 %	
Colour Change	Light blue → Yellow	

Reaction Principle:

HF + pH Indicator → Colored reaction product.

Operating Conditions:

Detector tubes can be used without compensation of the reading between 5 °C and 35 °C (41 °F and 95 °F) and between 20% RH [1.4 mg/l at 5 °C (41 °F)] and 80% RH [32 mg/l at 35 °C (95 °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)	No interference up to 5000 ppm (n=8)
Sulfur dioxide up to 5 ppm (n=8), Hydrogen sulfide up to 300 ppm (n=8).	No interference
Nitrogen Dioxide To distinguish between HF and Nitrogen dioxide use detector tube NO2-0.5 (part No. D5085805) which detects only NO2.	Will be indicted.
Hydrogen Chloride To distinguish between HF and HCl use detector tube HCl-1 (part No. D5085846) which detects only HCl.	Will be indicated.

TLV(TWA): 0.5 ppm TLV(STEL): 2 ppm Flammable Range: Not Flammable