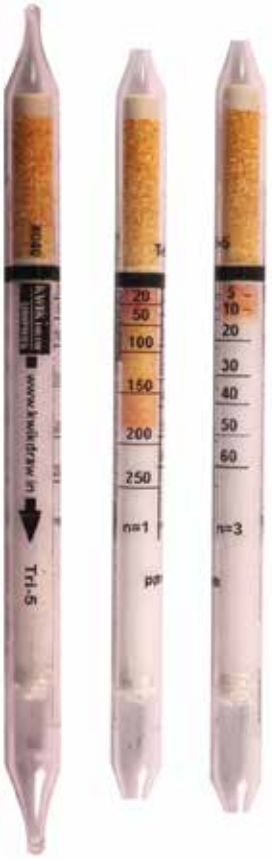
Tricholoroethylene (Tri-5)

KWIK DRAW
UNIPHOS

Part No. D5085842 | **Part No. (US): 487343**

Performance :

Measurement Range	20 - 250 ppm	5 - 60 ppm
Number of Strokes	1	3
Sampling Time	25 - 35 seconds per stroke	
Relative Standard Deviation	±15 to 25 %	
Colour Change	White ⟶ Orange	



Reaction Principle :

Halogenated Hydrocarbon + Cr^{6+} + H_2SO_4 ⟶ Cl_2 or Br_2
Cl_2 or Br_2 + Aromatic amine ⟶ Reaction product

Operating Conditions :

Detector tubes can be used between 5°C and 35°C (41°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, Carbon Monoxide, Carbon dioxide.	No interference
Propane, Butane, Chloromethane, Dichloromethane, Carbon tetrachloride, Bromomethane, Fluorinated Methane/ Ethane	No interference up to 1 vol % (n=1) or 3000 ppm (n=3).
Easily oxidizable halogenated hydrocarbons (e.g. Vinyl chloride, Dichloroethylene, Perchloroethylene), Halogens (Chlorine, Bromine), Hydrogen Chloride, Phosgene, Nitric oxide, Nitrogen dioxide	Will be indicated, but with different sensitivity
Oxidizable gases and vapors (e.g. Hydrocarbons, Hydrogen sulphide)	Trichloroethylene indication may be lower than actually present.

TLV(TWA): 10 ppm | TLV(STEL): 25 ppm | Flammable Range: 8 -10.5 %