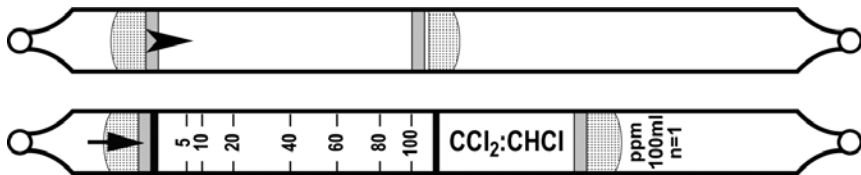


# Trichloroethylene $\text{CHCl}=\text{CCl}_2$ No. H-10-119-20



	Extended Range	Standard Range	Extended Range
Range (ppmv)	2.5 - 50	5 - 100	10 - 230
No. of Pump Strokes	2	1	0.5
Sample Volume (mL)	200	100	50
Sample Time (min)	2 x 3	3	2
Correction Factor	0.5	1	2.3

Precision (Relative Standard Deviation)\*:  $\leq \pm 20\%$

Linearity with No. of Pump Strokes:  $r^2 = 0.999$

Humidity: No effect 0 - 95% RH

Temperature Range: 0 - 40°C (32 - 104°F)

Temp (°C/°F)	0/32	10/50	25/77	40/104
Corr. Factor	1.6	1.3	1.0	1.1

Storage Life: 1 year in darkness at 5 - 25°C (40 - 77°F). Refrigeration preferred.

Color Change: Yellow → Purple

Reaction Principle:  $\text{Cl}_2\text{C}=\text{CHCl} + \text{PbO}_2 + \text{H}_2\text{SO}_4 \rightarrow \text{HCl}$   
 $\text{HCl} + \text{Base} \rightarrow \text{Chloride (dye color change)}$

Cross-sensitivity: Substance	Concentration (ppmv)	Apparent Reading*
Tetrachloroethylene	40	70
1,2-Dichloroethylene	100	20
Vinyl Chloride	100	10
1,1,2-Trichloroethane	100	<0.5
Acetone	1000	0
Toluene	1000	0
p-Xylene	1000	0
$\text{Cl}_2$	10	10 (pale beige)
HCl	50	21
NO	500	0
$\text{NO}_2$	500	60 (pale beige)

\* Data based on Honeywell pumps and tubes used in standard range.

Other Possible Interferences: Acid gases. No response to  $\text{H}_2\text{S}$ , CO or  $\text{CH}_4$ .

Caution: Use of connector tubing other than that supplied may reduce response.