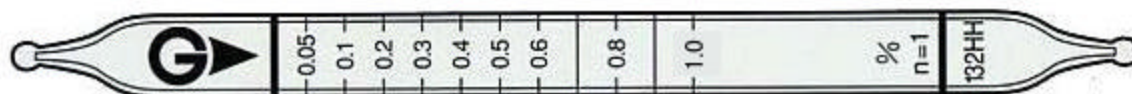


Trichloroethylene $\text{Cl}_2\text{C}:\text{CHCl}$ **NO.132HH****Performance**

Measuring Range	0.05 to 1.0%	1.0 to 2.5%
Number of Pump Strokes	1	1/2
Correction Factor	1	2.5
Sampling Time	3 minutes per pump stroke	
Detecting Limit	0.005% (n=1)	
Color Change	White → Yellowish brown (dark brown at demarcation)	
Reaction Principle	Trichloroethylene reduces iodine pentoxide to liberate iodine, which is yellowish brown in color.	
Coefficient of Variation	10% (for 0.05 to 0.3 %), 5% (for 0.3 to 1 %)	
Shelf Life	3 Years	
Corrections for temperature & humidity	Temperature correction is necessary	
Store the tubes at cool and dark place.		

Possible coexisting substances and their interferences (NOTE)

Substance	Concentration	Interference	Change color by itself
Carbon Monoxide	0.1%	Plus error	Produces blackish brown stain.
Acetylene	0.1%	Plus error	Produces blackish brown stain
Acetone	6 times	No effect	Produces brown stain
Ethylene	0.5%	Plus error	Produces blackish brown stain
Toluene, Xylene	3 times	No effect	Produce brown stain
HCs of C3	-	Plus error	Produce blackish brown stain.
Tetrachloroethylene	-	Plus error	Produces Yellowish brown stain
1,1,1-Trichloroethane	-	Plus error	Produces ring stain

Other substance measurable with this detector tube

Substance	Correction Factor	pump strokes	Measuring range
Tetrachloroethylene	1.5	1	0.075 to 1.5%

Calibration gas generation Static gas dilution method

TLV-TWA	TLV-STEL	Explosive range
50ppm	100ppm	-



© 2002 Nextteq LLC

Nextteq LLC – 8406 Benjamin Rd., Suite J, Tampa FL 33634, USA

Phone (toll free): 877-312-2333 Fax (toll free) 877-312-2444

[Policy Statement](#) and [Legal Notices](#)

Nextteq is Gastec's Exclusive U.S. Master Wholesale Distributor. Gastec tubes and pumps are manufactured by the Gastec Corporation.