

Tube No. **NX146**



Nexteq Detector Tubes
Short Term



1. PERFORMANCE

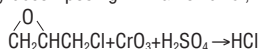
- 1) Measuring range : 5-50 ppm
- Number of pump strokes : 3 (300mL)
- 2) Sampling time : 2 minutes / 3 pump strokes
- 3) Detectable limit : 1 ppm
- 4) Shelf life : 1 year
- 5) Operating temperature : 0~40°C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 3 pump strokes
- 8) Color change : Greenish yellow→Pink

2. RELATIVE STANDARD DEVIATION

RSD-low: 10% RSD-mid.: 10% RSD-high: 10%

3. CHEMICAL REACTION

By decomposing with an oxidizer, Hydrogen Chloride is produced and pH indicator is discolored.

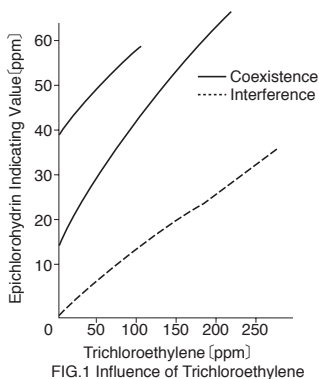


4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Halogenated Hydrocarbons FIG.1	Similar stain is produced.	Higher readings are given.



TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)							
	0°C (32°F)	5°C (41°F)	10°C (50°F)	15°C (59°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)	
50	—	—	70	60	50	42	37	
40	—	—	57	47	40	34	30	
30	—	61	42	35	30	25	23	
20	80	39	29	24	20	17	15	
10	33	19	15	12	10	9	8	
5	15	10	8	6	5	5	4	