



RAE Systems, Inc.
1339 Moffett Park Dr.
Sunnyvale, CA 94089 USA

Telephone 408-752-0723
Tube Orders 1-888-723-8823
Web www.raesystems.com

Gas Detection Tube Data Sheet

Chlorine Cl₂ No. 10-106-10

	Extended Range	Standard Range	Extended Range
Range (ppmv)	0.25 - 4	0.5 - 8	1.0 - 16
No. of Pump Strokes	2	1	0.5
Sample Volume (mL)	200	100	50
Sample Time (min)	2 x 2.5	2.5	2
Correction Factor	0.5	1	2

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

Linearity with No. of Pump Strokes: $r^2 = 0.99$

Humidity: No data

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

Temp (°C/°F)	0/32	10/50	18/70	40/104
Corr. Factor	ND	ND	1.0	ND

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

Color Change: White → Yellow

Reaction Principle: Cl₂ + o-Tolidine → Yellow colored product + HCl

<u>Cross-sensitivity:</u> Substance	Concentration (ppmv)	Apparent Reading*
ClO ₂	1	2
CO ₂	15000	0
NH ₃	50000	0 [#]
NO ₂	5	7
CH ₄	25000	0
H ₂ S	250	0
Isobutylene	2000	0

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

[#]Interferes in mixtures.

Other Possible Interferences: Other oxidizing gases.

Caution: Dispose of spent or expired tubes according to local regulations.
Possibly hazardous materials are given under the section Reaction Principle.