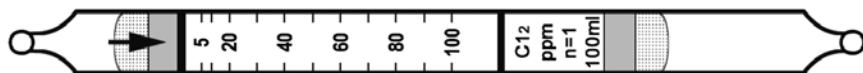


# Chlorine Cl<sub>2</sub>

No. H-10-106-20



	Extended Range	Standard Range	Extended Range
Range (ppmv)	2.5 - 50	5 - 100	10 - 200
No. of Pump Strokes	2	1	0.5
Sample Volume (mL)	200	100	50
Sample Time (min)	2 x 2	2	1.5
Correction Factor	0.5	1	2

Precision (Relative Standard Deviation)\*: ≤±20%

Linearity with No. of Pump Strokes: r<sup>2</sup> = 0.999

Humidity: No effect 0-90% RH

Temperature Range: No effect between 0 - 40°C (32 - 104°F)

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

Color Change: White → Orange

Reaction Principle: Cl<sub>2</sub> + o-Tolidine → Orange colored product + HCl

<u>Cross-sensitivity:</u> Substance	Concentration (ppmv)	Apparent Reading*
ClO <sub>2</sub>	10	9
CO	250	0
CO <sub>2</sub>	50000	0
NO	100	5
NH <sub>3</sub>	100	0
CH <sub>4</sub>	25000	0
H <sub>2</sub> S	10	0
SO <sub>2</sub>	2000	0
Hexane	100	0
Isobutylene	100	0
Toluene	100	0

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

Other Possible Interferences: Other oxidizing gases.