



Performance

Measuring range	0.25 to 0.5 %	0.5 to 10 %
Number of pump strokes	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1
Sampling time	45 sec	30 sec

Detecting limit : 0.05 % (1 pump stroke)
 Colour change : Reddish purple → Yellow
 Corrections for temperature & humidity : Unnecessary
 Relative standard deviation : 10 % (for 0.5 to 3 %), 5 % (for 3 to 10 %)
 Shelf life : 3 years

Reaction principle

$\text{Cl}_2 + \text{Indicator} \rightarrow \text{Reaction Products}$

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen chloride		+	} Pink
Nitric acid		+	

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Hydrogen chloride	Factor : 3.0	1/2	1.5 to 30 %

Calibration gas generation

Static gas dilution method