

**Performance**

This detector tube is calibrated with Freon 113.

Measuring range	10 to 400 ppm
Number of pump strokes	1 (100 mL)
Correction factor	1
Sampling time	2 min
Detecting limit :	2 ppm (1 pump stroke)
Colour change :	Yellow → Reddish purple
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used Relative humidity 0 to 90 % correction not used
Tube quantity and number of tests per box :	10 tubes for 5 tests
Shelf life :	36 months

Reaction principlePyrotec : Fluorochlorocarbons $\xrightarrow{\text{(Pyrolyzing)}}$ HClPyrotube : $\text{HCl} + \text{Base} \rightarrow \text{Chloride}$ **Possible coexisting substances and their interferences**

Substance	Concentration	Interference	Changes colour by itself to
Halogenated hydrocarbons		+	} Reddish purple
Hydrogen chloride		+	
Nitrogen dioxide		+	

Substances measurable with this Pyrotube

Substance	n	Correction factor	Measuring range (ppm)
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	1	1.0	10-400
1,1-Dichloro-1-fluoroethane (R141b)	1/2	2.5	400-1000
1,1-Dichloro-1-fluoroethane (R141b)	1	1.0	10-400
2,2-Dichloro-1,1,1trifluoroethane (R123)	1/2	4.0	560-1600
2,2-Dichloro-1,1,1trifluoroethane (R123)	1	1.4	14-560
Dichloropentafluoropropane (R225)	1	2.0	20-800
Chlorodifluoromethane (R22)	1	2.5	25-1000
Dichlorodifluoromethane (R12)	1	1.1	11-440
1,2-Dichloro-1,1,2,2-tetrafluoroethane (R114)	1	2.0	20-800
Enflurane	1	by scale	110-1230
Halothane	1	2.4	24-960
Methyl chloride	1	1.2	12-480
1,1,2,2-Tetrachloro-1,2-difluoroethane (R112)	1	0.7	7-280
Trichlorofluoromethane (R11)	1	0.8	8-320
1,1,1-Trichloro-2,2,2-trifluoroethane (R113a)	1	1.0	10-400
2-Chloro-1,1,1,2-tetrafluoroethane (R124)	1	4.5	45-1800