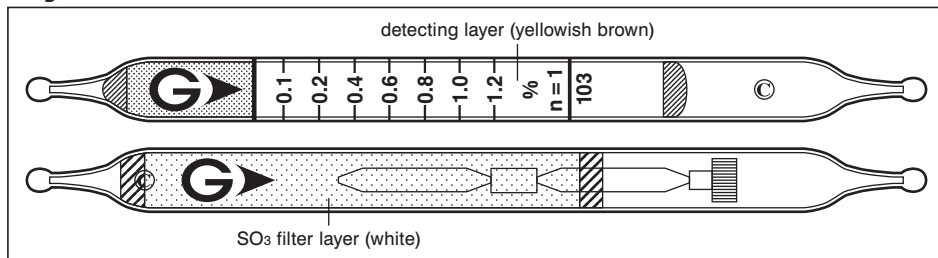


Hydrocarbons (Lower Class) C_2 to C_7 No. 103

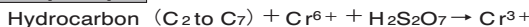


Performance

Measuring range	0.05 to 0.1 %	0.1 to 1.2 %	1.2 to 2.4 %
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1	2
Sampling time	4 min	2 min	1 min

Detecting limit : 0.01 % (2 pump strokes)
 Colour change : Yellowish brown → Greenish brown
 Corrections for temperature & humidity : Unnecessary
 Relative standard deviation : 10 % (for 0.1 to 1.2 %)
 Shelf life : 2 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Organic solvents		+	Greenish brown
Carbon monoxide		No	No
Ethane, Methane		No	No

Substances measurable with this detector tube

Substance	Correction factor	n	Measuring range (%)
Acetylene	3	1/2	1.8 to 3.6
	1.5	1	0.15 to 1.8
	0.75	2	0.075 to 0.15
Isobutane, Butane, Heptane	1.4	1/2	0.84 to 1.68
	0.7	1	0.07 to 0.84
	0.35	2	0.035 to 0.07
Isopentane	1.8	1/2	1.08 to 2.16
	0.9	1	0.09 to 1.08
	0.45	2	0.045 to 0.09
Ethylene	14	1/2	8.4 to 16.8
	7	1	0.7 to 8.4
	3.5	2	0.35 to 0.7
Propane	2	1/2	1.2 to 2.4
	1	1	0.1 to 1.2
	0.5	2	0.05 to 0.1
Hexane	1	1/2	0.6 to 1.2
	0.5	1	0.05 to 0.6
	0.25	2	0.025 to 0.05
Pentane	1.5	1/2	0.9 to 1.8
	0.75	1	0.075 to 0.9
	0.375	2	0.0375 to 0.075

Calibration gas generation

High pressure gas cylinder method

Special note

9 detector tubes and 1 SO_3 filter tube are contained in one box.
 SO_3 filter tube can be reused up to 9 times.