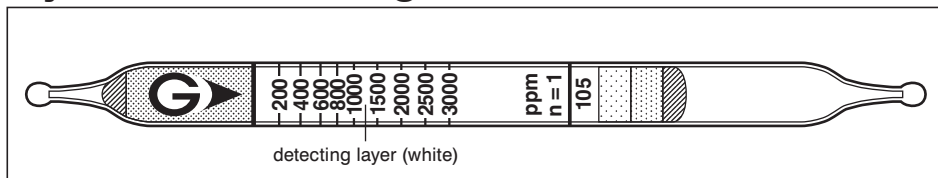


Hydrocarbons (Higher Class) C_6 to C_{10} No.105



Performance

Measuring range	100 to 200 ppm	200 to 3000 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)
Correction factor	1/2	1
Sampling time	3 min	1.5 min

Detecting limit : 20 ppm (2 pump strokes)

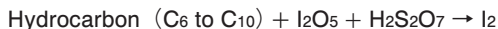
Colour change : White → Blackish brown

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 200 to 1000 ppm), 5 % (for 1000 to 3000 ppm)

Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetylene, Ethylene	$\geq 0.1 \%$	+	} Blackish brown
Carbon monoxide	$\geq 0.1 \%$	+	
Organic solvents		+	

Substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Octane	Factor : 1	1	200 to 3000 ppm
	Factor : 0.5	2	100 to 200 ppm
Decane	Factor : 2	1	400 to 6000 ppm
	Factor : 1	2	200 to 400 ppm
Nonane	Factor : 1.3	1	260 to 3900 ppm
	Factor : 0.65	2	130 to 260 ppm
Hexane	Factor : 0.8	1	160 to 2400 ppm
	Factor : 0.4	2	80 to 160 ppm
Heptane	Factor : 0.9	1	180 to 2700 ppm
	Factor : 0.45	2	90 to 180 ppm

Calibration gas generation

Vapour pressure method