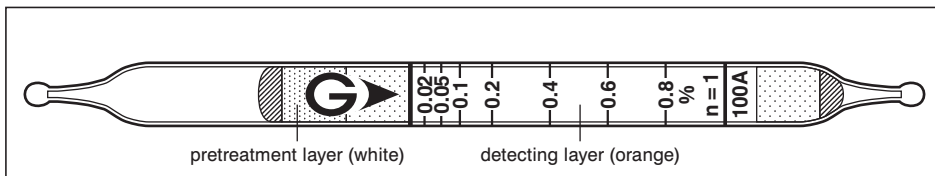


LP-Gas (LPG) Hydrocarbons (C₃ · C₄)

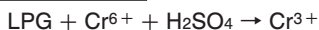
No. 100A



Performance

Measuring range	0.02 to 0.8 %
Number of pump strokes	1 (100 ml)
Correction factor	1
Sampling time	2 min
Detecting limit :	0.002 % (1 pump stroke)
Colour change :	Orange → Blackish green
Corrections for temperature & humidity :	Unnecessary
Relative standard deviation :	10 % (for 0.02 to 0.2 %), 5 % (for 0.2 to 0.8 %)
Shelf life :	3 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Esters, Ketones	≥ 2000 ppm	+	} Blackish green
Hydrocarbons (≥ C ₃)		+	

Water vapour is trapped in the pretreatment (white) layer.

Substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Propylene	Factor : 1	1	0.02 to 0.8 %
Xylene	by scale	2	0.1 to 1.2 %

Calibration gas generation

Static gas dilution method