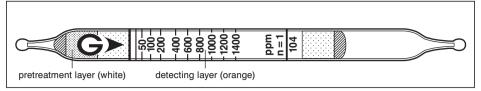
Butane C4H10



Performance The minimum scale value (25ppm) is not printed on the tube, but only the scale line is printed.

Measuring range	(25) to 1400 ppm		
Number of pump strokes	1(100 ml)		
Correction factor	1		
Sampling time	3 min		

 $\begin{array}{lll} \mbox{Detecting limit:} & \mbox{5 ppm (1 pump stroke)} \\ \mbox{Colour change:} & \mbox{Orange} \rightarrow \mbox{Dark green} \\ \end{array}$

Corrections for temperature & humidity: Unnecessary

Relative standard deviation: 10 %(for 25 to 400 ppm), 5 %(for 400 to 1400 ppm)

Shelf life: 3 years

Reaction principle

 $C_4H_{10} + Cr_{6+} + H_2SO_4 \rightarrow Cr_{3+}$

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Organic solvents		+	Dark green

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

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Isobutane	Factor : 2.2	1	55 to 3080 ppm
Pentane	Factor : 1.2	1	30 to 1680 ppm

Calibration gas generation

Static gas dilution method