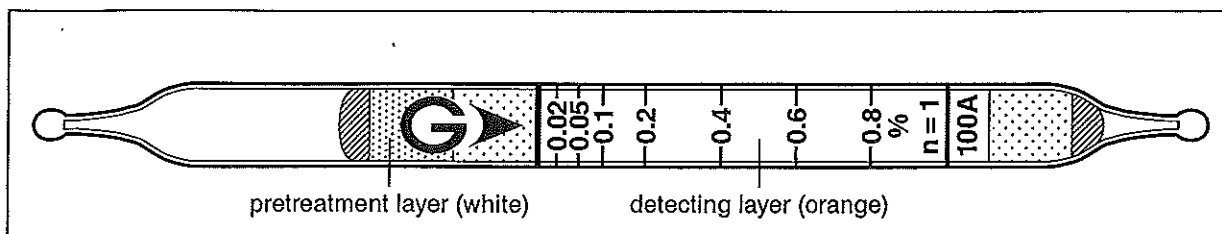


LP-Gas (LPG) Hydrocarbons (C₃ • C₄)

No. 100A

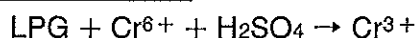


Performance

| | |
|------------------------|---------------|
| 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 (NOTE : Page 2-5)

| 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 |
|-----------|-------------|---------------------|-----------------|
| Olefines | Factor : 17 | 1 | 0.34 to 13.6 % |
| 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