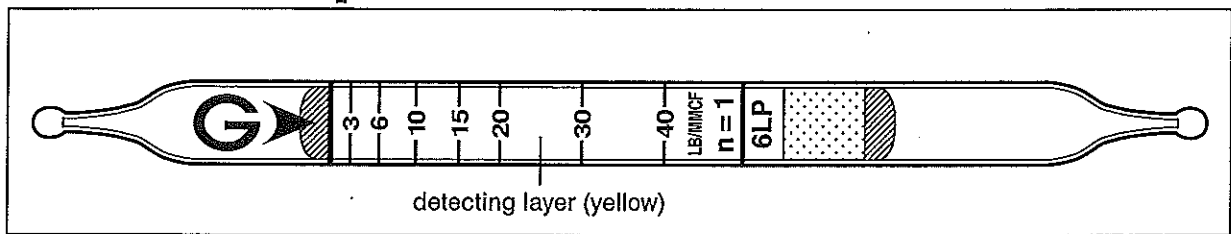


Water Vapour H₂O

No.6LP



Performance

Measuring range	3 to 40 LB/MMCF	40 to 100 LB/MMCF
Number of pump strokes	1 (100 ml)	1/2 (50 ml)
Correction factor	1	2.5
Sampling time	1.5 min	45 sec

Detecting limit : 2 LB/MMCF (1 pump stroke)

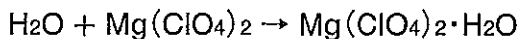
Colour change : Yellow → Greenish purple
(may become purple with high humidity)

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10% (for 3 to 10 LB/MMCF), 5% (for 10 to 40 LB/MMCF)

Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Sulphur dioxide	≦ 15 ppm	No	No
Nitrogen dioxide, Hydrogen sulphide	≦ 30 ppm	No	No
Hydrogen cyanide	≦ 45 ppm	No	No
Methyl ethyl ketone	≦ 70 ppm	No	No
Ethyl acetate	≦ 100 ppm	No	No
Acrylonitrile	≦ 55 ppm	No	No
Acetaldehyde	≦ 50 ppm	No	No
Methanol	≦ 100 ppm	+	Green
Triethylene glycol		No	No

Calibration gas generation

Diffusion tube method

$$1 \text{ mg/l} = 1000 \text{ mg/m}^3 = 1358 \text{ ppm} = 62.3 \text{ LB/MMCF}$$