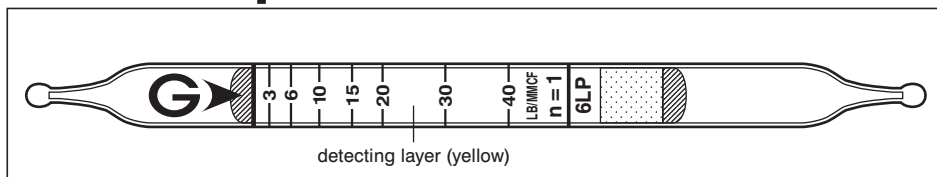


Water Vapour H₂O

No.6LP

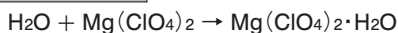


Performance

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

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