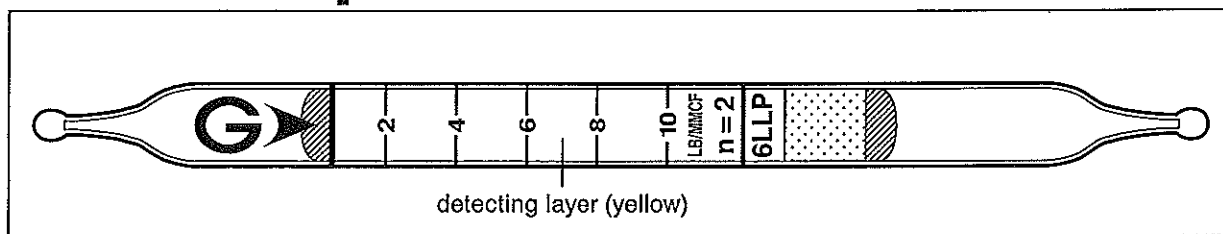


# Water Vapour H<sub>2</sub>O

No.6LLP

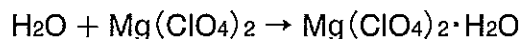


## Performance

Measuring range	2 to 10 LB/MMCF
Number of pump strokes	2 (200 ml)
Correction factor	1
Sampling time	3 min

Detecting limit : 2 LB/MMCF (2 pump strokes)  
 Colour change : Yellow → Green  
 Corrections for temperature & humidity : Temperature correction is necessary.  
 Relative standard deviation : 10% (for 2 to 4 LB/MMCF), 5% (for 4 to 10 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	≦ 40 ppm	No	No
Methyl ethyl ketone	≦ 70 ppm	No	No
Ethyl acetate	≦ 100 ppm	No	No
Acrylonitrile	≦ 40 ppm	No	No
Acetaldehyde	≦ 50 ppm	No	No
Methanol	≧ 50 ppm	+	Green
Triethylene glycol		No	No

## Calibration gas generation

Diffusion tube method

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