

Tube No.
177UR2

WATER VAPOUR



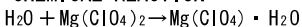
1. PERFORMANCE

- 1) Measuring range : 2-12 LB/MMCF 5-30 LB/MMCF
- Number of pump strokes : 2 (200mL) 1 (100mL)
- 2) Sampling time : 4 minutes/2 pump strokes
- 3) Detectable limit : 2 LB/MMCF (200mL)
- 4) Shelf life : 3 years
- 5) Operating temperature : 0~35°C
- 6) Temperature compensation : Necessary(See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 2 pump strokes
- 8) Colour change : Yellow→Yellowish green or green

2. RELATIVE STANDARD DEVIATION

RSD-low : 10% RSD-mid. : 10% RSD-high : 10%

3. CHEMICAL REACTION



4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	Coexistence
Methanol	50	Similar stain is produced.	Higher readings are given.
Alcohols (except Methanol)		"	"
Benzene		The accuracy of readings is not affected.	
Toluene		"	
Hexane		"	
Sulphur dioxide		"	
Hydrogen sulphide		"	

TEMPERATURE CORRECTION TABLE

Temperature : To correct for temperature, multiply the tube reading by the following factors.

Tube Readings (LB/MMCF)	Corrected Concentration (LB/MMCF)				
	0°C (32°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)	35°C (95°F)
12	17.8	14.9	12.0	9.1	7.8
10	15.3	12.7	10.0	7.4	6.3
8	12.9	10.4	8.0	5.9	5.1
6	10.3	8.0	6.0	4.5	3.9
4	6.8	5.1	4.0	3.1	2.8
2	2.7	2.3	2.0	-	-