

Tube No.  
177UR2

# WATER VAPOUR



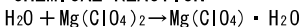
## 1. PERFORMANCE

- 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	-	-