

## 1. PERFORMANCE

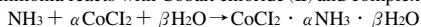
- 1) Measuring range : 0.5-30 %
- Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1 minute/1 pump stroke
- 3) Detectable limit : 100 ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Pink → Blue · Brownish green

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 10 %    RSD-mid. : 5 %    RSD-high : 5 %

## 3. CHEMICAL REACTION

Ammonia reacts with Cobalt chloride (II) and complex salt is produced.



## 4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	ppm	Coexistence
Hydrogen sulphide FIG.1	0.01%	Whole layer is discoloured to Black.	0.3%	If the top of discoloured layer is possible to read, the accuracy of readings is not affected.
Amines				The accuracy of readings is not affected.

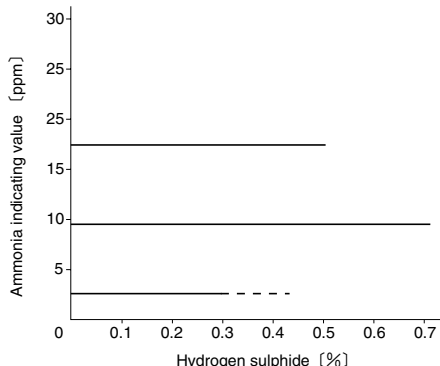


FIG.1 Influence of Hydrogen sulphide

## TEMPERATURE CORRECTION TABLE

Scale Readings (%)	True Concentration (%)				
	0 °C (32 °F)	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
30	—	35.0	30.0	27.0	25.0
25	35.0	30.0	25.0	23.0	21.0
20	28.0	24.0	20.0	18.0	17.0
15	22.0	18.0	15.0	13.0	12.0
10	15.0	12.0	10.0	9.0	8.0
5	8.0	6.0	5.0	4.5	4.0
2	3.0	2.5	2.0	1.9	1.8
1	1.2	1.2	1.0	1.0	0.9
0.5	0.5	0.5	0.5	0.5	0.5