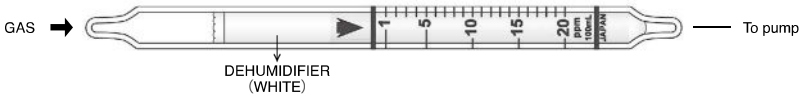
Tube No.
120SE2

HYDROGEN SULPHIDE



1. PERFORMANCE

1) Measuring range : 2-40 ppm 1-20 ppm 0.5-10 ppm
Number of pump strokes 1/2(50mL) 1(100mL) 2(200mL)
2) Sampling time : 1 minute / 1 pump stroke
3) Detectable limit : 0.05 ppm(200mL)
4) Shelf life : 3 years
5) Operating temperature : 0～40℃
6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION COEFFICIENT TABLE")
7) Reading : Direct reading from the scale calibrated by 1 pump stroke
8) Colour change : Pale Brown→ Pink

2. RELATIVE STANDARD DEVIATION

RSD-low：10% RSD-mid.：5% RSD-high：5%

3. CHEMICAL REACTION

By reacting with silver compound, acid gas is produced and pH indicator is discoloured.

4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Phosphine	Similar stain is produced.	—	Higher readings are given.
Mercaptans	〃	—	〃
Arsine	〃	—	〃
Hydrogen selenide	〃	—	〃
Hydrogen cyanide	〃	0.1	〃
Nitrogen dioxide	The accuracy of readings is not affected.	1	Lower readings are given.
Ammonia	〃	15	The discolouration fades from the inlet side at 200mL.
Hydrogen chloride	〃	less than 20	The accuracy of readings is not affected.
Hydrogen fluoride	〃	less than 30	〃
Nitric acid	〃	less than 20	〃
Sulphur dioxide	〃	less than 40	〃

(NOTE)

In case of 1 / 2 and 2 pump strokes, the following equation is available for the actual concentration.
1/2 pump strokes：Actual concentration＝Reading value×2
2 pump strokes：Actual concentration＝Reading value×0.5

TABLE OF THE COEFFICIENT FOR TEMPERATURE CORRECTION(BASED ON 20℃)

Temperature(℃)	0	10	15 - 25	30	40
Correction factor	0.8	0.9	1.0	1.1	1.2