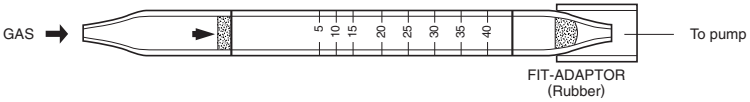
Tube No.
120UT

HYDROGEN SULPHIDE



1. PERFORMANCE

1) Measuring range : 5-40 % 2.5-5 %
   Number of pump strokes 1/2 (50mℓ) 1 (100mℓ)
2) Sampling time : 1 minute/1/2 pump strokes
3) Shelf life : 3 years
4) Operating temperature : 0 ~ 40 ℃
5) Reading : Direct reading from the scale calibrated by 1/2 pump stroke
6) Colour change : Pale blue → Black

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reacting with Copper sulphate (II), Cupric sulphide is produced.

$H_2S + CuSO_4 \rightarrow CuS$

4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	%	Coexistence
Sulphur dioxide	The accuracy of readings is not affected.	8	Lower readings are given.
Carbon dioxide	〃		The accuracy of readings is not affected.

(NOTE)

In case of 1 pump stroke, following formula is available for the actual concentration.
Actual concentration = 2 × Reading value