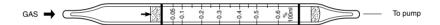
HYDROGEN SULPHIDE



1. PERFORMANCE

4) Shelf life 2 years 0.001 m 0.001 m

6) Reading : Direct reading from the scale calibrated by 1 pump stroke

7) Colour change : White → Dark brown

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reacting with Cupric sulphate (II), Cupric sulphide is produced. H₂S + CuSO₄→ CuS

4. CALIBRATION OF THE TUBE

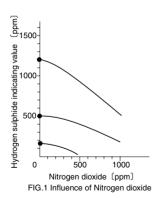
STANDARD GAS CYLINDER METHOD

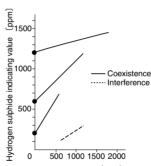
5. INTERFERENCE AND CROSS SENSITIVITY

Substance		Interference	%	Coexistence
Sulphur dioxide	FIG.1	The accuracy of readings is not affected.	0.3	Higher readings are given.
Ammonia		Blue stain is produced.		The accuracy of readings is not affected.
Methyl mercaptan		Pale yellow stain is produced.		"

(NOTE)

In case of 1/2 pump strokes, following formula is available for the actual concentration. Actual concentration = $2 \times$ Reading value





Sulphur dioxide (ppm) FIG.2 Influence of Sulphur dioxide