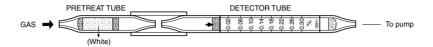
SULPHUR DIOXIDE IN FLUE GAS



1. PERFORMANCE

1) Measuring range 0.02-0.3 % Number of pump strokes $1(100 \text{m} \ell)$

2) Sampling time : 1 minute/1 pump stroke

3) Detectable limit \therefore 10 ppm 4) Shelf life \therefore 3 years 5) Operating temperature \therefore 0 \sim 40 $^{\circ}$ C

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

7) Colour change : White→Orange

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Potassium iodate is reduced. $SO_2 + KIO_3 + H_2O \rightarrow I_2$

4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Hydrogen sulphide	The accuracy of readings is not affected.	100	Higher readings are given.