



Performance

Measuring range	0.002 to 0.02 mg
Sampling time	45 seconds per 1 pump stroke (100 ml)
Detecting limit :	0.0002 mg
Colour change :	White → Brown
Corrections for temperature & humidity :	Unnecessary
Relative standard deviation :	5 % (for 0.002 to 0.02 mg)
Shelf life :	3 years

Reaction principle

Gas generation tube : Sulphides + $\text{H}_2\text{SO}_4 \rightarrow \text{H}_2\text{S}$

Detector tube : $\text{H}_2\text{S} + \text{Pb}(\text{CH}_3\text{COO})_2 \rightarrow \text{PbS}$

Calibration method

Permeation tube method