

No.3DL

Performance

Measuring range	0.1 to 10 ppm				
Sampling time	1 to 10 hours				
Colour change :	Pink → Yellow				
Corrections for temperature & humidity : Temperature & humidity corrections are necessary.					
Relative standard deviation	n: 10 % (for 1 to 10 ppm · hr)				
Shelf life :	2 years				

Reaction principle

 $2\mathsf{NH}_3 + \mathsf{H}_2\mathsf{SO}_4 \twoheadrightarrow (\mathsf{NH}_4)_2\mathsf{SO}_4$

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to	
Amines, Hydrazine		+	Yellow	

Other substances measurable with this Dosi-tube

Substance	Correction	Sampling time	Measuring range
Methylamine	Factor : 1.9	} 1 to 10 hours	0.19 to 19 ppm
Trimethylamine	Factor : 2.3		0.23 to 23 ppm

Calibration gas generation

Permeation tube method