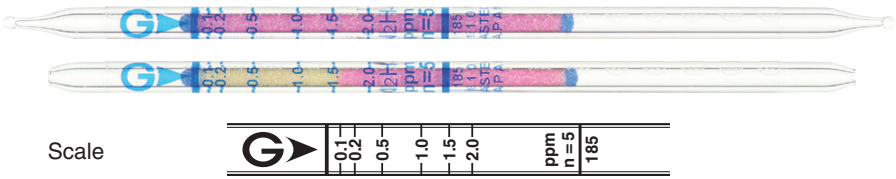
Hydrazine N_2H_4 No.185



Performance

Measuring range	0.04 to 0.1 ppm	0.1 to 2.0 ppm
Number of pump strokes	10 (1000 mL)	5 (500 mL)
Correction factor	0.4	1
Sampling time	10 min	5 min

Detecting limit : 0.01 ppm (10 pump strokes)
Colour change : Pink → Yellow
Operating conditions : Temperature 0 to 40 ℃ (32 to 104 ℉) correction used
Relative humidity 0 to 90 % correction used
Relative standard deviation : 10 % (for 0.1 to 0.5 ppm), 5 % (for 0.5 to 2 ppm)
Tube quantity and number of tests per box : 10 tubes for 10 tests
Shelf life : 36 months

Reaction principle

$N_2H_4 + H_2SO_4 \rightarrow N_2H_4 \cdot H_2SO_4$

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Amines		+	Yellow
Ammonia		+	

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Dimethylhydrazine	Factor : 1	5	0.1 to 2 ppm
Methyl hydrazine	Factor : 6	5	0.6 to 12 ppm

Calibration gas generation

Permeation tube method