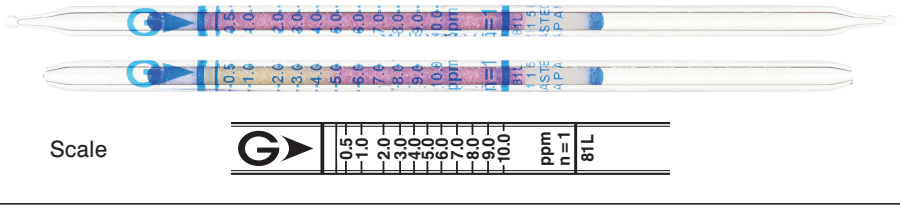
Acetic Acid CH_3CO_2H No.81L



Performance The minimum scale value (0.25ppm) is not printed on the tube, but only the scale line is printed.

Measuring range	0.125 to 0.25 ppm	(0.25) to 10.0 ppm	10.0 to 23.0 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	1/2	1	2.3
Sampling time	3 min	1.5 min	45 sec

Detecting limit : 0.05 ppm (2 pump strokes)
Colour change : Pink → Pale yellow
Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction used
Relative humidity 0 to 90 % correction not used
Relative standard deviation : 10 % (for 0.25 to 3 ppm), 5 % (for 3 to 10 ppm)
Tube quantity and number of tests per box : 10 tubes for 10 tests
Shelf life : 24 months (in the refrigerator)

Reaction principle

CH_3CO_2H + Base → Reaction product

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetic anhydride		+	Pale yellow
Chlorine		+	
Formic acid		+	
Nitrogen dioxide		+	
Sulphur dioxide		+	
Ammonia	≧ 2 times	−	No

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Acetic anhydride	Factor : 0.6	1	0.15 to 6 ppm
Acrylic acid	Factor : 1.8	1	0.45 to 18 ppm
Butyric acid	Factor : 1.3	1	0.325 to 13 ppm
Formic acid	Factor : 2.0	1	0.5 to 20 ppm
Isovaleric acid	Factor : 1.5	1	0.38 to 15 ppm
Methacrylic acid	Factor : 1.4	1	0.35 to 14 ppm
Propionic acid	Factor : 1.0	1	0.25 to 10 ppm
Valeric acid	Factor : 1.5	1	0.38 to 15 ppm

Calibration gas generation

Diffusion tube method