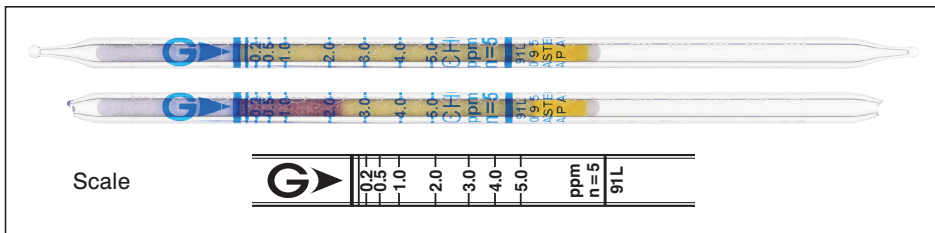


Formaldehyde HCHO

No.91L

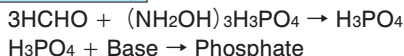


Performance The minimum scale value (0.1ppm) is not printed on the tube, but only the scale line is printed.

Measuring range	(0.1) to 5.0 ppm	5.0 to 45.0 ppm
Number of pump strokes	5 (500 mL)	1 (100 mL)
Correction factor	1	9
Sampling time	7.5 min	1.5 min

Detecting limit : 0.05 ppm (5 pump strokes)
Colour change : Yellow → Reddish brown
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 0.1 to 0.5 ppm), 5 % (for 0.5 to 5 ppm)
Tube quantity and number of tests per box : 10 tubes for 10 tests
Shelf life : 36 months (in the refrigerator)

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration:	Interference	Changes colour by itself to
Aldehydes, Ketones		+	Reddish brown
Acid gases		+	Red
Organic acids		No	No

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Benzaldehyde	by scale	1	4 to 92 ppm
Cyclohexanone	by scale	1/2	10 to 470 ppm
Diisobutyl ketone	Factor : 5.8	4	0.58 to 29 ppm
Metaldehyde	Factor : 0.65	3	0.065 to 3.25 ppm
Propionaldehyde	Factor : 7.6	1	0.76 to 38 ppm

Calibration gas generation

Diffusion tube method

(Last updated: Jul. 2023)