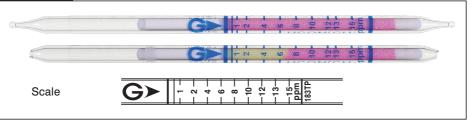
N,N-Dimethylformamide HCON(CH3)2 No. 183TP



Performance

Detector tube

The minimum scale value (0.5ppm) is not printed on the tube, but only the scale line is printed.

Measuring range	(0.5) to 15 ppm		15 to 30 ppm	
Sampling rate	100 mL/min(1000 mL)		50 mL/min(500 mL)	
Correction factor	1		2	
Sampling time	10 min		10 min	
Detecting limit :		0.1 ppm (1000 mL	.)	
Colour change :		Pink → Yellow		
Operating conditions :		Temperature 5 to 40 °C (41 to 104 °F) correction used Relative humidity 20 to 90 % correction not used		
Relative standard deviation :		15 % (for 0.5 to 4 ppm), 5 % (for 4 to 15 ppm)		
Tube quantity and number of tests per box :		10 tubes for 10 tests		
Shelf life :		24 months		

Reaction principle

N,N-Dimethylformamide reacts with reagent to produce amines which turn the indicator yellow.

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Ammonia	≧ 0.1 ppm	+	Yellow at 0.1 ppm
Amines	≧ 0.1 ppm	+	Yellow at 0.1 ppm
N,N-Dimethylhydrazine	≧ 0.1 ppm	+	Yellow at 0.1 ppm
Toluene	≦ 170 ppm	No	No
Carbon dioxide	≧ 1500 ppm	_	No
Chlorine	≧ 1000 ppm	—	Decolourizes at 1.0 %

Other substance measurable with this detector tube

Substance	Correction	Sampling Correction	Measuring range
N,N-Dimethylacetamide	by scale	100 mL/min \times 10 min	3 to 57.5 ppm

Calibration gas generation

Diffusion tube method