

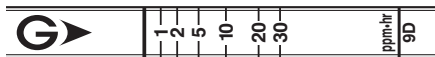
Dosi-tube

Nitrogen Dioxide NO₂

No.9D



Scale



Performance

Measuring range	0.1 to 30 ppm
Sampling time	1 to 10 hours
Colour change :	White → 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 1 to 30 ppm·hr)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	12 months (in the refrigerator)

Reaction principle

NO₂ + o-Tolidine → Reaction product

Possible coexisting substances and their interferences

Substance	Concentration:	Interference	Changes colour by itself to
Bromine		+	Yellow
Chlorine		+	
Ammonia		No	No
Carbon monoxide		No	
Nitric oxide		No	
Sulphur dioxide		No	
Organic gases & vapours		No	

Calibration gas generation

Permeation tube method