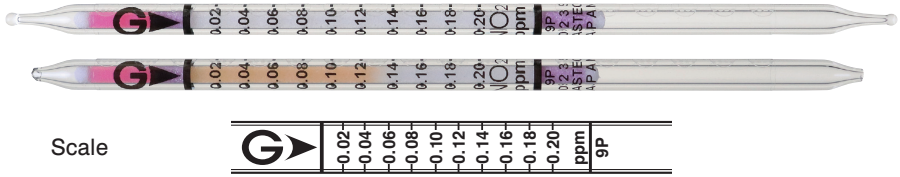


Detector tube

# Nitrogen Dioxide NO<sub>2</sub>

No.9P



## Performance

Measuring range	0.02 to 0.20 ppm
Sampling rate	100 mL/min (3000 mL)
Correction factor	1
Sampling time	30 min
Detecting limit :	0.004 ppm (3000 mL)
Colour change :	White → Orangeish 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 0.02 to 0.06 ppm), 5 % (for 0.06 to 0.2 ppm)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	30 months

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration:	Interference	Changes colour by itself to
Carbon monoxide		No	No
Nitric oxide		No	No
Chlorine	≧ 0.10 ppm	No	Reddish brown from 0.08 ppm
Ozone	≧ 0.04 ppm	No	Pale yellow from 0.1 ppm
Carbon dioxide		No	No
Acetone		No	No
p-dichloro benzene		No	No
n-decan		No	No
Aromatic hydrocarbons		No	No
Formaldehyde		No	No

## Calibration gas generation

Permeation tube method