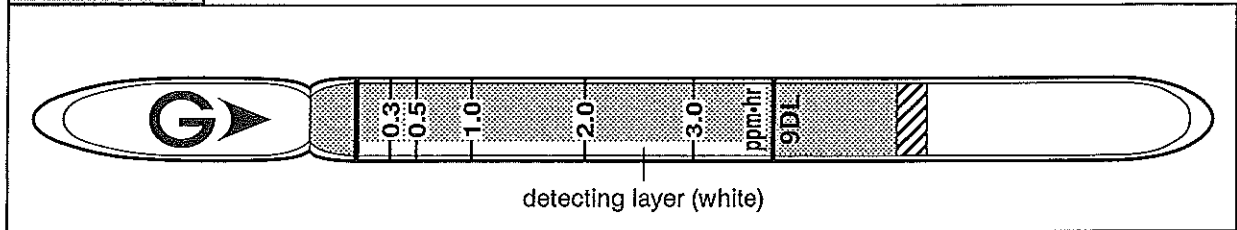


Dosi-tube

Nitrogen Dioxide NO₂

No.9DL

**Performance**

Measuring range :	0.01 to 3.0 ppm
Sampling time :	1 to 24 hours
Colour change :	White → Green
Corrections for temperature & humidity :	Unnecessary.
Relative standard deviation :	10 % (for 0.01 to 3.0 ppm·hr)
Shelf life :	1 year (in the refrigerator)

Reaction principle

ABTS (white) + NO₂ → Green product

Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Carbon monoxide	≤ 10 ppm	No	No (≤ 10 ppm)
Chlorine	≤ 0.07 ppm	No	No (≤ 0.07 ppm)
Ozone	≤ 0.045 ppm	No	No (≤ 0.045 ppm)
Sulphur dioxide			No (≤ 0.1 ppm)
Carbon dioxide	≤ 600 ppm	No	No (≤ 600 ppm)
Formaldehyde			No (≤ 0.1 ppm)

Calibration gas generation

Permeation tube method

TLV-TWA : 3 ppm

TLV-STEL : 5 ppm