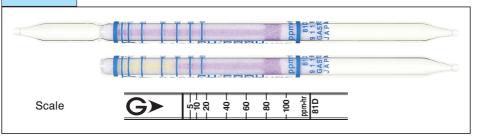
Dosi-tube Acetic Acid CH3CO2H

No.81D



#### Performance

Measuring range	0.5 to 100 ppm
Sampling time	1 to 10 hours

Colour change : Purple → 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 5 to 100 ppm·hr)

Tube quantity and number of tests per box: 10 tubes for 10 tests

Shelf life: 36 months

### Reaction principle

CH<sub>3</sub>CO<sub>2</sub>H + NaOH → CH<sub>3</sub>CO<sub>2</sub>Na

### Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to	
Hydrogen chloride Nitric acid Chlorine Nitrogen dioxide Hydrogen cyanide Sulphur dioxide		+	Yellow	

# Other substances measurable with this Dosi-tube

Substance	Correction	Sampling time	Measuring range
Acetic anhydride	Factor: 0.6	} 1 to 10 hours	0.3 to 60 ppm
Formic acid	Factor: 1.1	) I to to hours	0.55 to 110 ppm

## Calibration gas generation

Diffusion tube method