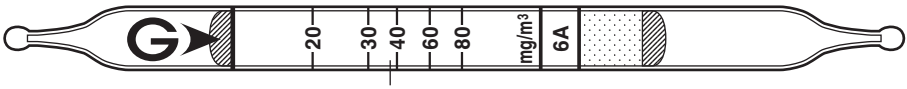
Airtec

Water Vapour H_2O

No.6A



detecting layer (yellow)

Performance

Measuring range	20 to 80 mg/m^3
Sampling Rate	100 ml/min（500 ml）
Correction factor	1
Sampling time	5 min

Colour change : Yellow → Green
May produce “purple” colour at higher concentrations
Corrections for temperature : Unnecessary for 0 to 40℃
Relative standard deviation : 10 %（20 mg/m^3）, 5 %（for 20 to 80 mg/m^3）
Shelf life : 2 years

Reaction principle

$H_2O + Mg(ClO_4)_2 \rightarrow Mg(ClO_4)_2 \cdot H_2O$

Calibration gas generation

Diffusion tube method