

## Performance

When used, these tubes are to be connected. See page 2-3.

Measuring range	0.2 to 4.0 ppm		
Sampling speed	200 mL/min		
Sampling time	5 min		
Colour change :	White → Yellow		
Operating conditions :	Temperature 0 to 40 $^{\circ}$ C (32 to 104 $^{\circ}$ F) correction not used Relative humidity 0 to 90 % correction not used		
Relative standard deviation Tube quantity and number of test Shelf life :	n : 20 % (for 0.2 to 1.0 ppm), 15 % (for 1.0 to 4.0 ppm) ts per box : 10 tubes for 5 tests 36 months		

## Reaction principle

 $C_6H_5CH:CH_2 + H_2S_2O_7 \rightarrow Condensation polymer$ 

## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Alcohols, Esters	$\geq$ 10 times	+	No
Aldehydes, Ketones	$\geq$ 10 times	+	No
Butadiene	≧ 2 ppm	+	Yellowish brown
			(Unclear demarcation)

Calibration gas generation

Diffusion tube method