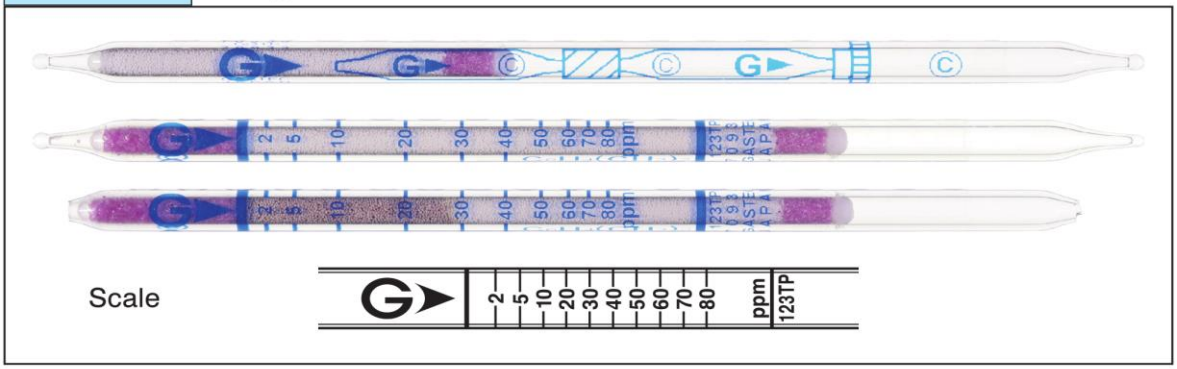
wiserise marine

Xylene C6H4（CH3）2

Part No.:123TP

Detector tube **Xylene** $C_6H_4(CH_3)_2$ **No.123TP**



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

Performance

Measuring range	2 to 80 ppm
Sampling rate	100 mL/min（1000 mL）
Correction factor	1
Sampling time	10 min

Detecting limit : 1 ppm（1000 mL）
Colour change : White → Brown
Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction not used
Relative humidity 0 to 90 % correction not used
Relative standard deviation : 10 %（for 2 to 20 ppm）, 5 %（for 20 to 80 ppm）
Tube quantity and number of tests per box : 10 tubes for 5 tests
Shelf life : 24 months

Reaction principle

$C_6H_4(CH_3)_2 + I_2O_5 + H_2SO_4 \rightarrow I_2$

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Carbon monoxide	≧ 75 ppm	Unclear demarcation	Brown（when 50 ppm or higher）
Ethyl benzene	≧ 1/3	+	Brown
Ethyl acetate	≦ 400 ppm	No	No
Dichloromethane	≦ 30 ppm	No	No
N,N-Dimethylformamide	≦ 25 ppm	No	No
Trichloroethylene	≧ 1/2	+	No
Toluene	≧ 1/3	+	Brown
n-Hexane	≧ 200 ppm	Unclear demarcation	No
Methanol	≦ 200 ppm	No	No

Calibration gas generation

Diffusion tube method

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