



Polytec I

Part No.:107

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No.107



Substance	Colour Change
Carbon disulphide, n-Hexane Cyclohexane, Hydrogen sulphide	
Carbon monoxide	
Acetone, Acetylene, Ethylene	
Propane, Propylene, Gasoline, tert-Butyl alcohol, Benzene	
Styrene, Acrylonitrile	
Trichloroethylene	
Toluene, Xylene	

Performance

Number of pump strokes	n = 3
Sampling time	30 seconds per 1 pump stroke / 1.5 minutes
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used Relative humidity 0 to 90 % correction not used
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	36 months

Reaction principle



Substances & expected concentration

Substance	Concentration *	Changes colour from white to
Carbon monoxide	≥ 10 ppm	Green or Brown
Carbon disulphide	≥ 1 ppm	Green
Hydrogen sulphide	≥ 1 ppm	Green
Acrylonitrile	≥ 500 ppm	Yellowish brown
Acetylene	≥ 10 ppm	Brown or Green
Acetone	≥ 1000 ppm	Brown or Green
Ethylene	≥ 70 ppm	Brown or Green
Gasoline	≥ 100 ppm	Brown
Cyclohexane	≥ 6000 ppm	Green
Styrene	≥ 10 ppm	Yellow or Brown
Trichloroethylene	≥ 15 ppm	Pale brown
Toluene, Xylene	≥ 10 ppm	Purple
tert-Butyl alcohol	≥ 1500 ppm	Brown
Propane, Propylene	≥ 100 ppm	Brown
n-Hexane	≥ 1800 ppm	Green
Benzene	≥ 20 ppm	Brown

* Minimum concentration required to produce a response.