

■ Polytec I (No.107)



White

Number of pump strokes : $n=3$

Sampling time : 1 minute per 1 pump stroke / 3 minutes

Shelf life : 3 years

Reaction principle : $\text{Substance} + \text{I}_2\text{O}_5 + \text{H}_2\text{S}_2\text{O}_7 \rightarrow \text{I}_2$

Substance	Concentration*	Changes colour from white to
Carbon disulphide	≥ 1 ppm	} Green
Hydrogen sulphide	≥ 1 ppm	
Carbon monoxide	≥ 10 ppm	Green or Brown
Acetone	≥ 1000 ppm	} Brown or Green
Acetylene	≥ 10 ppm	
Ethylene	≥ 70 ppm	
Benzene	≥ 20 ppm	} Brown
Propane, Propylene	≥ 100 ppm	
Styrene	≥ 10 ppm	Yellow or Brown
Trichloroethylene	≥ 15 ppm	Pale brown
Gasoline	≥ 100 ppm	Brown
Toluene, Xylene	≥ 10 ppm	Purple

* Minimum concentration required to produce a response.