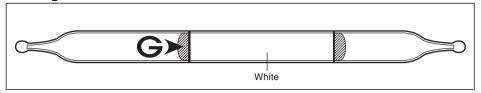
Polytec I



Performance

Number of pump strokes	n=3	
Sampling time	1 minute per 1 pump stroke / 3 minutes	
Shelf life	3 years	

Reaction principle

Substance $+ I_2O_5 + H_2S_2O_7 \rightarrow I_2$

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	Gerrn
Benzene	≥ 20 ppm	Brown

^{*} Minimum concentration required to produce a response.