



Specification :

Measuring Range	0.1 - 200 ppm
Outer diameter of the tube	8 mm
Length of tube	100 mm
Gas Flow	350 ml/min
Shelf Life	2 years
Storage condition	Between 5 °C to 25 °C in the dark.

Reaction Principle :



Cross Sensitivity :

Compound	Test Concentration (ppm)	Apparent Response on PID Instrument
Acrylonitrile	100	0
Styrene	100	0
Ethylbenzene	200	0
Toluene	100	0
Benzene	100	0.04 ppm
Methane	25000	0
Ammonia	50	0
Propane	1000	0
Hexane	200	0.01 ppm
Cyclohexane	50	0.02 ppm
Vinyl chloride	40	2.7 ppm
1,2-Dichloroethane	40	0
Per chloroethylene	40	0
Trichloroethylene	40	0
Methyl bromide	4	0

*Not necessarily the maximum allowable conc.

Correction For Environmental Parameters :

Temperature (°C):	Not necessary between 2 - 40°C (32 - 104°F).		
Relative Humidity	≤ 5%	50%	80%
Correction factor	1	1.5	1.6

*When calibrated from a dry gas cylinder, multiply the reading by the CF to obtain the true value.

Calibration Of The Tube :

Static gas dilution method.

TLV (TWA) of Butadiene: 2 ppm

TLV (STEL):---

Flammable Range: 1.3 -7.8 %