



# Gas Detection Tube Data Sheet

## Benzene Specific C<sub>6</sub>H<sub>6</sub> No. 10-101-01

	Extended Range	Standard Range	Extended Range
Range (ppmv)	0.25 - 5	0.5-10	1.5 - 30
No. of Pump Strokes	6	3	1
Sample Volume (mL)	600	300	100
Sample Time (min)	6 x 3	3 x 3	3
Correction Factor	0.27	1	4

Precision (Relative Standard Deviation)\*: ≤ ± 12%

Humidity: No effect 0 - 95% RH

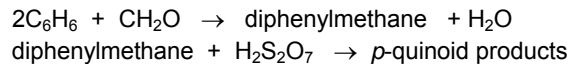
Temperature Range: 0 - 40°C  
(32 - 104°F)

Temp (°C/°F)	0/32	10/50	25/77	40/104
Corr. Factor	2.7	1.6	1.0	0.6

Storage Life: 1 year in darkness at 5 - 25°C (40 - 77°F). Refrigeration preferred.

Color Change: White → Brown

Reaction Principle: Pretube removes interferences



<u>Cross-sensitivity:</u> Substance	Concentration (ppmv)	Apparent Reading*
Isobutylene	100	0
n-Hexane	500 <sup>#</sup>	0
n-Heptane	100	0
Toluene	100	0
<i>m</i> -Xylene	50	0
<i>m</i> -Xylene	100	5
CH <sub>4</sub>	25000	0
CO	10	0
H <sub>2</sub> S	25	0

\*Data based on RAE pumps and tubes used in standard range.

<sup>#</sup>Hexane above 100 ppm will reduce the benzene response.

Other Possible Interferences: Hydrocarbons and similar reducing gases.

Caution: Dispose of spent or expired tubes according to local regulations.  
Possibly hazardous materials are given under the section Reaction Principle.