



RAE Systems, Inc.  
1339 Moffett Park Dr.  
Sunnyvale, CA 94089 USA

Telephone 408-752-0723  
Tube Orders 1-888-723-8823  
Web www.raesystems.com

# Gas Detection Tube Data Sheet

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

	Extended Range	Standard Range	Extended Range
Range (ppmv)	2.5 - 20	5 - 40	25 - 200
No. of Pump Strokes	10	5	1
Sample Volume (mL)	1000	500	100
Sample Time (min)	10 x 3	5 x 3	3
Correction Factor	0.5	1	5

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

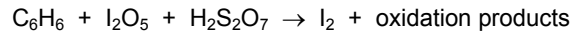
Humidity: No effect 5 - 100% RH

Temperature Range: No effect 0 - 40°C (32 - 104°F)

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

Color Change: White → Light Brown

Reaction Principle: Pretube removes interferences



Cross-sensitivity: Substance	Concentration (ppmv)	Apparent Reading*
Isobutylene	100	~2 (faint)
n-Hexane	10	0
n-Octane	100	0
Toluene	35	0 <sup>#</sup>
m-Xylene	50	0 <sup>#</sup>
β-Pinene	50	~2 (very faint)
CO	10	7
H <sub>2</sub> S	25	0

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

<sup>#</sup>With 10 strokes, toluene and xylene at 50 ppm read ~2 ppm and 100 ppm octane reads ≤2 ppm.

Other Data: Without the pretube the readings are 30% higher.

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