



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

Gasoline C_nH_m No. 10-138-30

	Extended Range	Standard Range	Extended Range
Range (ppmv)	15 - 500	30 - 1000	60 - 2000
No. of Pump Strokes	4	2	1
Sample Volume (mL)	400	200	100
Sample Time (min)	4 x 2	2 x 2	2
Correction Factor	0.45	1	2.5

Precision (Relative Standard Deviation)*: $\leq \pm 20\%$

Linearity with No. of Pump Strokes: $r^2 > 0.999$

Humidity: No effect 5 - 95% RH.

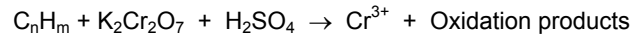
Temperature Range: 0 - 40°C
(32 - 104°F)

Temp (°C/°F)	0/32	10/50	22/72	40/104
Corr. Factor	1.6	1.24	1.0	0.83

Storage Life: 2 years in darkness at 5 - 25°C(40 - 77°F). Refrigeration preferred.

Color Change: Orange → Dark Green

Reaction Principle: Prelayer removes humidity



Cross-sensitivity: Substance	Concentration (ppmv)	Apparent Reading*
CH ₄	25000	0
CO	500	0
H ₂ S	100	30
SO ₂	500	0
Acetone	1000	20
Ethanol	1000	20
Butane	1000	Entire tube
Isopar L	500	115
Toluene	200	80
Benzene	500	900

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

The tube is calibrated using heptane as a standard for gasoline.

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