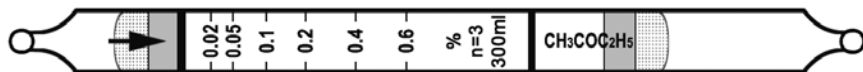


Methyl Ethyl Ketone C₄H₈O No. H-10-113-20



	Extended Range	Standard Range	Extended Range
Range (%)	0.01 - 0.3%	0.02 - 0.6%	0.06 - 1.8%
No. of Pump Strokes	6	3	1
Sample Volume (mL)	600	300	100
Sample Time (min)	6 x 2	3 x 2	2
Correction Factor	0.5	1	3

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

Linearity with No. of Pump Strokes: r² = 0.996

Humidity: 85% RH increases the response by 15% compared to dry gas.

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

Temp (°C/°F)	0/32	10/50	25/77	40/104
Corr. Factor	1.4	1.3	1.0	0.7

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

Color Change: Orange → Black

Reaction Principle: CH₃COCH₂CH₃ + Cr(VI) + H₂SO₄ → Cr(III) + Oxidation Prods.

Cross-sensitivity: Substance	Concentration (ppmv)	Apparent Reading*	Corr. Factor
Acetone	0.4%	0.5%	0.8
Methyl propyl ketone	1.0%	0.7%	1.4
Methyl isobutyl ketone	1.0%	0.49%	2.0
CO	1.5%	0	-
CO ₂	1.5%	0	-
CH ₄	2.5%	0	-
NH ₃	5.0%	>0.3% brown	-
H ₂ S	250	0.2% diffuse#	-
Ethyl Acetate	1.0%	>0.3% diffuse#	-
Hexane	0.24%	entire tube#	-
Isobutylene	0.20%	0.5%	0.4
Toluene	400	0.3% diffuse#	-

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

Faint black color. Ketones can be distinguished by their darker stains and sharp endpoints.

Other Possible Interferences: Other hydrocarbons.