

MicroGC

Available Modules



MicroGC 3000, GCX, VEGA-GC microgaschromatographs contain one to four modules, depending on version.

Each module has embedded a specific column which analyses a particular set of gases.

Showed below there is just an example of main already tested gases detectable by each column, but many other gases can be detected. For other substances not showed below, please contact the technical service.

ANALYTICAL MODULE	DESCRIPTION AND APPLICATION FIELD	EXAMPLE GASES
CP Sil 5 CB / OV 1	<p>Pure Methyl-Siliconic capillary column, not polar. Boiling point sheering.</p> <p>Hydrocarbons C₃ to C₈-C₁₀ Aromatics ad Solvent with high boiling point</p>	<p>Decane Heptane Hexane Nonane Benzene Toluene Xilenes Propylbenzene Acrolein Hydrocarbons C₆-C₉ Pentane Propane Butylacetate Ethylacetate Ethylbenzene Methylisobutyl Ketone CFC 113 - 11 - 123 - 12 - 134 - 22 Acetone Halogenated anaesthetics Ethanol</p>
CP Sil 8	<p>5% Phenil – 95% Methyl-Siliconic capillary column, more polar than CP5. Polarity sheering.</p> <p>Hydrocarbons C₃ to C₈-C₁₀ Aromatics ad Solvent with high boiling point</p>	<p>Chlorobenzene Dichlorobenzene Dichloroethane Dichloroethylene Dicloromethane Tetrachloroethylene Tetrachlorometane Trichloromethane Benzene</p>
CP Sil 13CB	odorant added in natural gas	<p>tert-butyl mercaptan (TBM) sulphur compounds. Hi-Hydrocarbons Halogenated volatile organics</p>
OV-1701	odorant added in natural gas	<p>Tetrahydrothiophene (THT) methansulfonic acid ethanesulfonic acid</p>

ANALYTICAL MODULE	DESCRIPTION AND APPLICATION FIELD	EXAMPLE GASES
Molsieve 5A	Packed column Permanent gases: CO (Not CO ₂) - CH ₄	CO H ₂ CH ₄ N ₂ O ₂ Helium Argon Neon
CP Al ₂ O ₃ KCl	Alumina supported Packed column. Hydrocarbons C ₁ -C ₄	Acetylene Butadiene 1,3 Butane Ethylene Ethane Isobutane Methane Nitrogen Propandiene Propane
PPQ / PPU	Packed column. Hydrocarbons C ₁ - C ₄ Volatile Solvents	N ₂ N ₂ O H ₂ O CO ₂ CH ₄ NH ₃ H ₂ S CO Acetylene Ethane Chloroethylene Ethanol Ethylene Dichloroethylene Ethyleters Propane
CP Wax 52 / Stabilwax	Poliethylenglicol capillary column, polar. Polar, high-boiling solvents	Acetaldehyde Acetic acid Acetone Methyl-ethyl ketone Methanol Ethanol Propanol Butanol Methylbutanol Acrilonitrile Acetyl pyridine Acrolein Benzylic alcohol Hexanol Glicoles C ₁ -C ₄ Nitromethane