



Petrochemical Hydrocarbon Gases



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In Natural Gas and other hydrocarbon products, the separations of the light hydrocarbon gases in the C1 - C4 range have always been a challenge. The compound separations are economically critical, because the compounds determine the BTU value, which dictates the value of the gas product. The isomers of the C2's and C4's have, in the past, been particularly difficult to separate. GC Systems have been configured with multiple columns and detectors and complex valve systems to attempt to solve the analysis problem. The development of capillary columns for light hydrocarbon separations has helped tremendously. The DPS Hydrocarbon Gases GC System is configured with the latest designed high resolution capillary column and the sensitive FID detector to quickly detect these compounds. In the Series 600 we have added a Split/Splitless injector to dilute concentrated gas samples for you. The fast heating and rapid cooling column oven in every DPS GC assures rapid sample turnaround. We have added a gas sampling valve to increase your throughput by automating the sampling and then injecting samples for you. The fully integrated Hydrocarbon Gases GC Systems are small and lightweight and all DPS systems are modular for expandability, upgrades, and easy service.



Available Configurations Include:

600-C-091 - Series 600 Hydrocarbon Gases GC Analyzer (FID, S/S, Valve, 30m)

500-C-091 - Companion 1 Portable Hydrocarbon Gases GC Analyzer (FID, Valve, 30m)



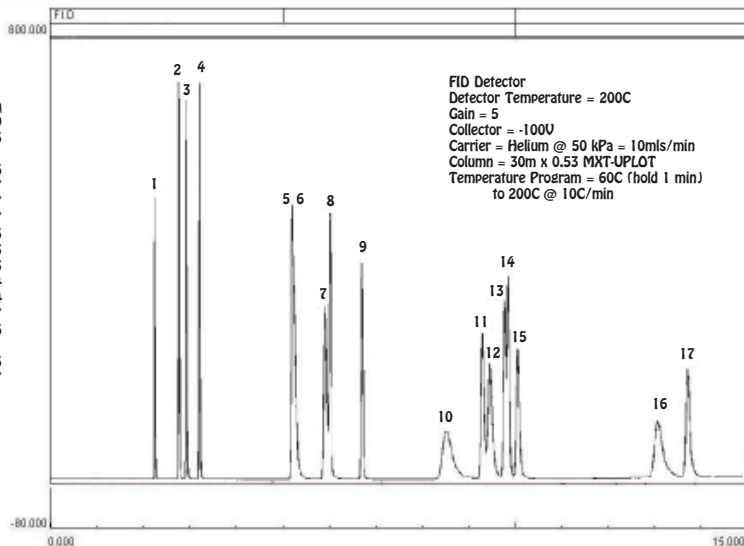
Series 600 GC



Companion 1 Portable GC

Hydrocarbon Gases

Peak	Component	Area
1	Methane	1487.9
2	Ethylene	2639.5
3	Ethene	2484.1
4	Acetylene	2684.6
5	Propane	1204.7
6	Propylene	1192.7
7	Cyclopropane	1204.7
8	Propadiene	1070.5
9	Propyne	980.3
10	iso-Butane	1288.3
11	n-Butane	767.4
12	1-Butene	583.4
13	cis-2-Butene	660.7
14	trans-2-Butene	750.6
15	1,3-Butadiene	604.1
16	iso-Pentane	960.5
17	n-Pentane	556.7



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Specifications may change without notice.