Thermo Scientific
Gas Chromatograph Analyzers

Natural Gas Analyzer for GPA 2286

Product Spotlight

The Thermo Scientific Natural Gas Analyzer analyzes Natural Gas (NG) samples to determine BTU content as outlined in GPA Method 2286. The system, based on the Thermo Scientific™ TRACE™ 1310 gas chromatograph, analyzes a single NG sample. Single and dual channel systems for the Flame Ionization Detector (FID) (extended) channel are available.

Channel One Thermal Conductivity Detector (TCD)

- Sample type: Natural gas
- Components: C6+ regroup, Nitrogen (air composite), Carbon Dioxide, Methane, Ethane, Propane, i-Butane, n-Butane, i-Pentane, and n-Pentane
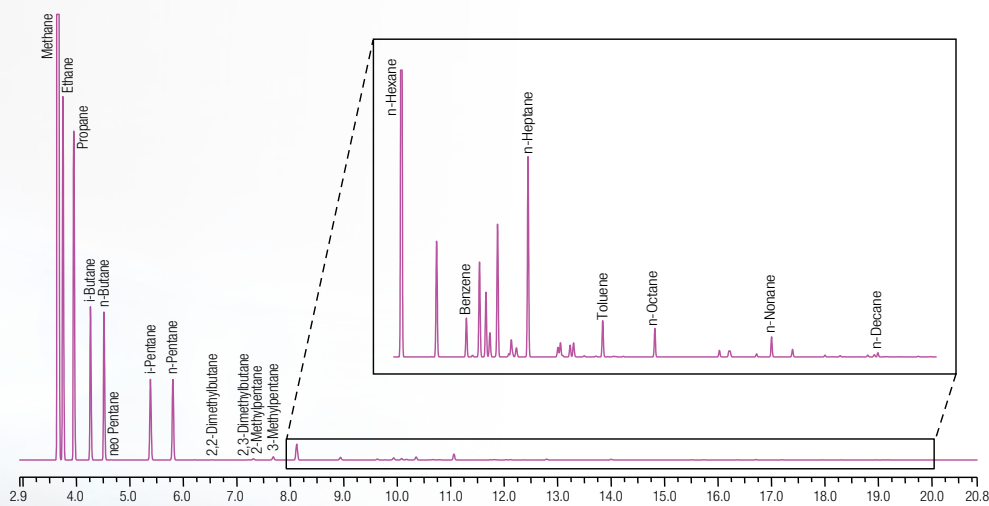- TRACE™ 1310 Gas Chromatograph

- Three packed columns in GC oven
- Independently heated valve oven with two valves
- Plumbed with sulfur-resistant tubing

Channel Two Flame Ionization Detector (FID)

- Single high pressure liquid injection valve
- One capillary column in GC oven
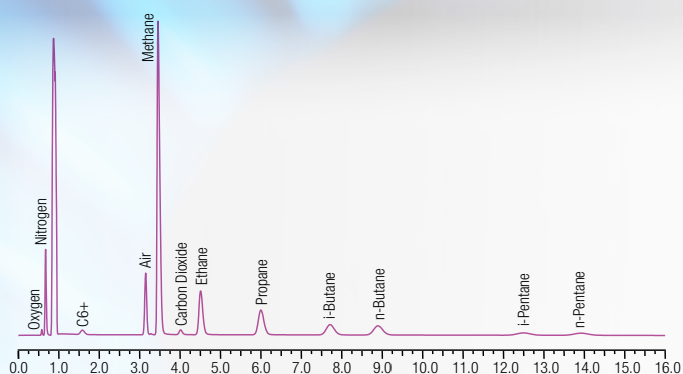
Natural Gas TCD Channel with C6+ early regroup

Natural Gas extended FID Channel

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Natural Gas System Specifications		
Channel	Channel One TCD	Channel Two FID
Analysis	Natural Gas C6+	Natural Gas C1-C16
Detectors	TCD	FID
N_2 (air composite), CO_2	Yes	No
O_2/N_2	Optional	No
He/H_2	No	No
Hydrocarbons	C1-C5 with C6+ regroup	C1-C16
Repeatability	<1.0%	<1.0%
MDL Hydrocarbons	0.005%	0.001%
MDL Perm Gases	0.01%	NA
MDL H_2S	0.05%	NA
Valves per channel	2	1
Columns per channel	3 packed	1 capillary
Sulfur Inert	Yes	Yes

Thermo Fisher Scientific offers a suite of more than 20 turnkey analyzers for natural gas, natural gas liquids, and liquefied petroleum gas. Single channel, dual channel, or multi-method combination systems are available to meet your requirements. Customized systems can be designed to meet individual analytical challenges as required. Contact your local representative for more information.

For more information, visit www.thermofisher.com/oilandgasinfo

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