

# Light Hydrocarbon Analyzer – Model 4037

- Sample types: Gas, liquid, pressurized liquid
- Analyzes a wide range of gaseous and liquid light hydrocarbon samples like LPG
- All hydrocarbons from methane to hexane are analyzed. Complete separations of all possible compounds are obtained in approximately 20 minutes. The analysis usually includes a column-temperature program
- This analyzer cannot be used for all samples. Two very good applications are for propylene/butylenes manufacturing and analysis of butane streams, which are free of compounds that irreversibly poison the Alumina PLOT column (NH<sub>3</sub>, H<sub>2</sub>S)
- Liquid-sampling valve mounted at ambient temperature and external valve oven design for the gas-sampling valve allows for full-range temperature programming for column reconditioning (removing CO<sub>2</sub> and H<sub>2</sub>O)
- Includes a secondary filter and back-pressure regulation for proper liquid-sample introduction, plus a vaporization zone for proper liquid-sample injection

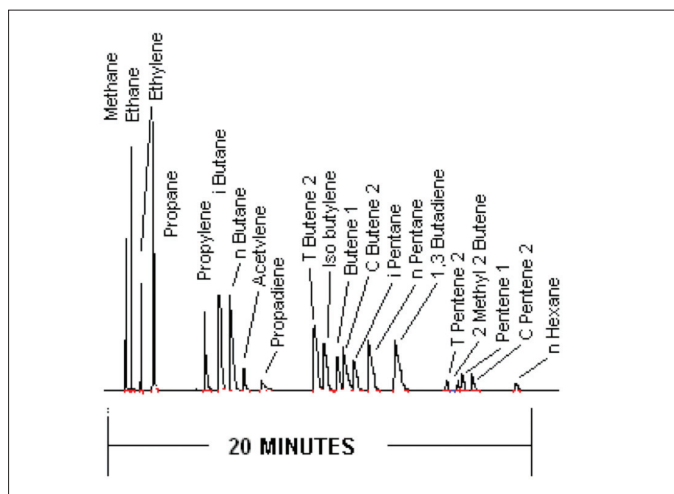
## Detected Compounds

- All hydrocarbons from methane through hexane

## Key Benefits

- Meets:
  - ASTM D2163
  - ASTM D2593
  - ASTM D2712
  - ASTM D2820
  - ASTM D4424
  - ISO 7941
- Fully-automatic operation
- Guaranteed detection ranges/concentration levels:

	Min (ppm)
<b>Channel A (FID)</b>	
All hydrocarbons from Methane through Hexane (gas analysis)	0.1
All hydrocarbons from Methane through Hexane (liquid analysis)	0.25



Analysis of light hydrocarbons by FID.

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