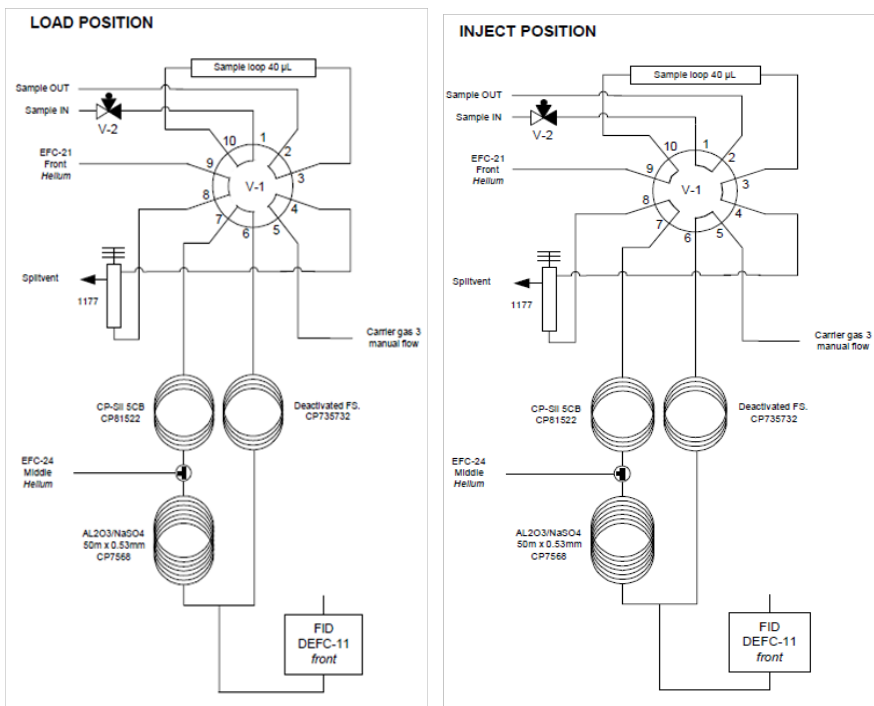


# Light Hydrocarbon Analyzer - Quick Reference Guide

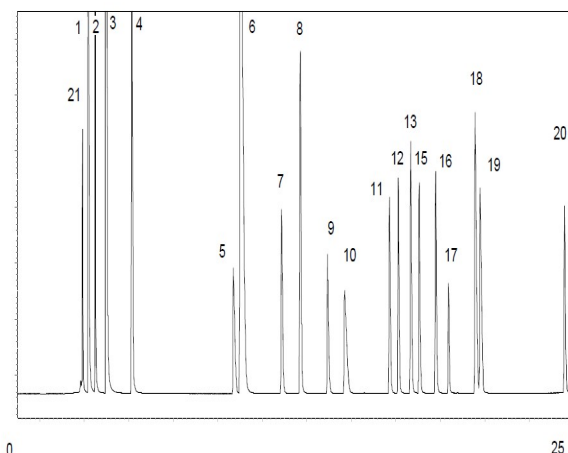
## Light Hydrocarbon Analyzer

The Light Hydrocarbon Analyzer is a standard turnkey solution to light hydrocarbon analysis. The Analyzer is suited for the analysis of hydrocarbon impurities in gaseous samples like chemical or technical grade ethylene, propylene or butylenes. The Analyzer is also suited for all types of Refinery gases, including stack gases, flame gases, reformer gases etc. The Analyzer can be based on several different GC chassis.



LPG's (Liquid Petroleum Gases) like propylene and all butane streams can be injected as a liquid through an optional liquid injection valve. In order to maintain sample integrity, a "pressure station" is recommended. The pressure station maintains a high absolute pressure over the complete sample path, preventing evaporation of the sample.

## Refinery gas sample (extended mode)



### Peak identification:

1 Methane	11 Trans-2-butene
2 Ethane	12 1-butene
3 Ethylene	13 Isobutene
4 Propane	14 Neo-pentane
5 Cyclopropane	15 Cis-2-butene
6 Propylene	16 Isopentane
7 Isobutane	17 n-pentane
8 n-butane	18 1,3-butadiene
9 Propadiene	19 Propyne
10 Acetylene	20 Butyne
	21 C6+

### Conclusions Light Hydrocarbon Analyzer:

- The Analysis is completely automated.
- ASTM D2163, D2712, D2593, D2820, D4424, ISO 7941.
- No Costly method development.
- Full range detection capability.
- Simple set-up for easy operation/maintenance and service.

### ChromSolutions Ltd

What we offer at ChromSolutions is our wealth of experience in analytical instrumentation, (over 110 years distributed through the members of our company). We use this experience and independent advice to provide clear concise guidance for analyzer purchase and training on operation.

For more information on Analyzers please contact us:



Tel: +44 (0) 1442 402399  
Mob: +44 (0) 7966 783845  
Email: [info@chromsolutions.co.uk](mailto:info@chromsolutions.co.uk)  
Website: <http://www.chromsolutions.co.uk>