

# Application Data Sheet

## No. 168

### System Gas Chromatograph

### Gases in C2 Analysis Nexis GC-2030HC3 GC-2014HC3

This system is for determining hydrogen, oxygen, nitrogen and methane in propylene in below compound table. It requires the use of a dedicated gas chromatographic system which is configured with an automatic sampling and backflush technique in multiple columns.

#### Analyzer Information

##### System Configuration:

Two valves / two packed columns / one PDHID

##### Sample Information:

Determining hydrogen, oxygen, nitrogen and methane in propylene

##### Methods met:

ASTM-D2504

##### Concentration Range:

No.	Name of Compound	Concentration Range	
		Low Conc.	High Conc.
1	Hydrogen	1ppm	15ppm
2	Oxygen + Argon	1ppm	150ppm
3	Nitrogen	1ppm	150ppm
4	Methane	1ppm	150ppm

Detection limits may vary depending on the sample. Please contact us for more consultation.

#### System Features

- Suited for trace impurities in gas sample
- Versatile software easy GC system operation

#### Typical Chromatograms

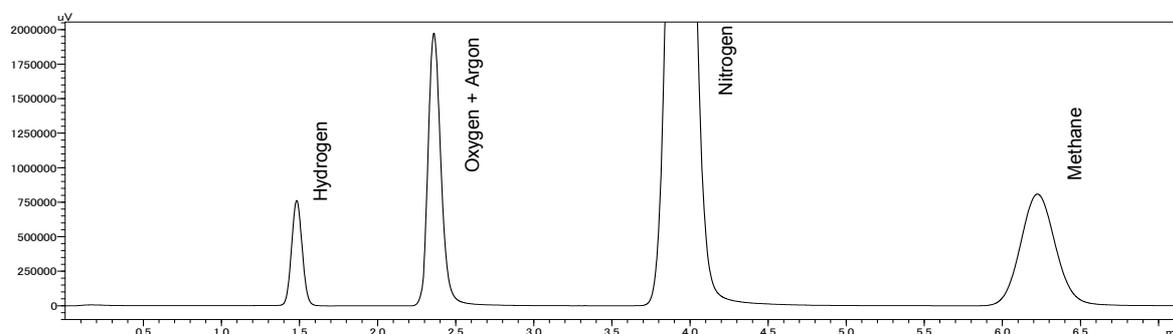


Fig. 1 Chromatogram of PDHID

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