

**Natural
Gas
Analyser**



G·A·S product portfolio:

- Refinery Gas Analyser
- Natural Gas Analyser
- Oxygenates analyser
- Detailed Hydrocarbon Analyser
- Simdist analyser
- High Purity Analyser
- Low level Oxygenates Analyser
- Low level Sulfur Analyser
- Permanent Gas Analyser
- Light Hydrocarbon Analyser
- LPG Analyser
- Transformer Oil Gas Analyser
- **CompactGC**

G·A·S offers high quality Natural Gas Analysis based on CompactGC®

FEATURES AND BENEFITS :

- Based on proven GC technology: robust and reliable
- 99 % uptime
- Low Helium consumption: 10 ml/min
- High accuracy: < 0.05% BTU
- Compact 19" standard enclosure
- Complies with ISO 6974-5, GPA 2261, ASTM D1945, DIN 51872-5



Robust diaphragm valves ensure low maintenance; micropacked columns are used for low helium consumption

Component name	Mol% 15C	Mol% 0C	RT	Area
propane	0.980%	0.983%	3.78	11486560
2-methylpropane	0.340%	0.343%	5.70	2446929
n-butane	0.220%	0.222%	7.22	2790853
2-methylbutane	0.000%	0.000%	12.27	827486
n-pentane	0.060%	0.061%	14.68	858846
carbon dioxide	0.680%	0.680%	17.45	1770084
ethane	3.500%	3.503%	19.13	26646660
n-hexane	0.000%	0.000%	32.45	955442
nitrogen	1.750%	1.749%	37.45	10133870
methane	92.470%	92.458%	39.47	214153600
carbon monoxide	0.000%	0.000%	43.70	186920
Totals	100.00%	100.00%		

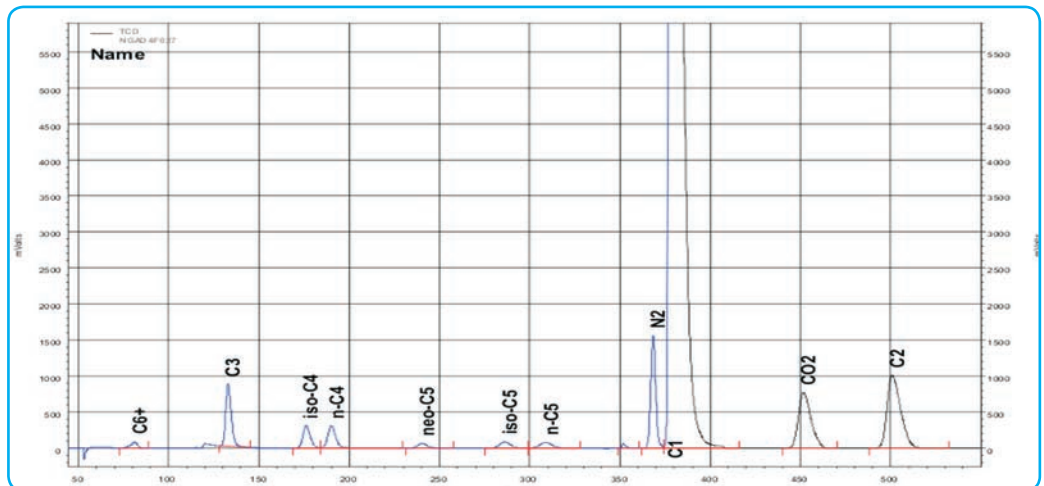
Combustion at 15C, Metering at 15C and 101,325 kPa
For the REAL DRY gas

Superior calorific value 919.08 [kJ/mol] 52.59 [MJ/Kg] 38.96 [MJ/m3]

Inferior calorific value 829.08 [kJ/mol] 47.44 [MJ/Kg] 35.14 [MJ/m3]

Mean molecular weight= 17.478
Compression Factor= 0.9977
Relative Density= 0.6046
Density [kg/m3]= 0.741
Wobbe index [MJ/m3]= 50.10

Calorific value calculation report



About G·A·S



G·A·S – Global Analyser Solutions is the supplier of turnkey products for the Petroleum, Petrochemical, Natural gas and Energy market.

G·A·S is based upon a close cooperation with Thermo Scientific, acting as its Preferred Solution Partner in this field.

G·A·S products are available through local Thermo sales offices or through Interscience appointed dealers.

G·A·S aims for customer satisfaction by:

- providing not only the hardware but also a complete portfolio of services like: product training/courses, application support, demolab, work shops and MasterClasses
- delivering you a constant high level of service
- supplying you with valuable information about useful applications
- offering an excellent help desk at no extra cost
- guarantying problem free operation of your analysers by skilled service engineers

With dealers currently active throughout the world, **G·A·S** has established a reputation as being a reliable provider of solutions for NGA, emission gas and process control.

G·A·S : Reliable analyser solutions for the Petrochemical and Energy Industries.



***G·A·S** analysers are based on Thermo Fisher instruments. For instance the FocusGC platform offers cost effective solutions on a very small footprint.*