

# Petro-Chemical analyzers: Product portfolio



## GLOBAL ANALYSER SOLUTIONS

Global Analyser Solutions offers custom configured GC analyzers for complex separations, data processing and reporting.

Over 30 years of experience in designing and building turnkey analyzers for many application fields.

Take advantage of our latest hardware, software and column technologies to achieve the best results possible.

Our analyzers are designed to meet many accepted standard methods (ASTM, UOP, ISO, etc) in the oil and Gas industry.

The efficient hardware configurations are based on proven GC technology, resulting in reliable instruments with an optimal return on investment.



## ***Petro Chemical Analysers***

1. NGA-1, Natural Gas Analyser, single valve (GPA, ASTM)  
NGA-2, Natural Gas Analyser, dual valve  
NGA-3, Natural Gas Analyser, triple valve
2. Fast RGA, Refinery Gas Analyser (UOP 539, DIN 51.666)
3. Oxygenate analysers (ASTM D4815, 5599, 3606, DIN 51.413, EN 13132)
4. Simdist, ASTM D2887 (extended), 3710, 5307, 6417 (MOV), HT 750 (ASTM D6352, IP 507) and UltraFast Simdis (ASTM D2887) and DIN 51.581 (NOACK)
5. Fast DHA, Detailed Hydrocarbon Analyser (ASTM 6729, 6730, 6733, 5134)
6. High purity analyser with PDD, pulsed discharge detector (ASTM D 2504, 2505)
7. Low level Sulfur analysers with PFPD or FPD (ASTM D 6228, 5303)
8. LPG, butadiene analyser. Gas and liquefied gas injection. (ASTM D 4424, 5303)
9. LPG, residu analyser (excl. de Da Vinci injector)
10. TOGA, Transformer Oil Gas Analyser, optional with HT3 headspace sampler (ASTM D 3616, 2945, 3612)
11. Permanent gas analyser (ASTM D1946, 2504, 2505)
12. Light hydrocarbon analyser (astm D2163, 2712, 2593, 4424, ISO 7941)
13. Deans options; backflush, heart cut etc.
14. Constant pressure injection options (V0 valco, Kunke valve or backpressure regulator)
15. additional detector(s) on TraceUltra, with digital electrometer for FID, TCD and PDD
16. PIONA, based on GCMS and specific software package
17. BioDiesel Analyser (ASTM D6584)
18. Greenhouse Gas Analyser
19. Comprehensive solutions, GC x GC with FID or MS

Systems are based on TraceGC Ultra.

NGA-1 can be delivered with FocusGC

CompactGC can be used for 19" rack applications for all isothermal applications.

## ***Software Solutions***

1. NGA, based on ChromCard with BTU
2. NGA, based on EZChrom with BTU
3. Simdist for all relevant ASTM methods based on EZChrom
4. Fast DHA, based on EZChrom
5. PIONA, Xcalibur with dedicated software for PIONA
6. 4-20 mA, output per component (1-16 components) based on EZchrom
7. Customized solutions based on EZChrom, such as DIN 51.666 for CO2 emission

## ***Options for PetroChemical Analysers***

### **Inlet systems:**

- 1.1 Constant pressure sample inlet, Kunke valve
- 1.2 Constant pressure sample inlet, Valco valve
- 1.3 Constant pressure sample inlet, Back Pressure regulator
- 2 LPG inlet, heated pressurized liquefied gas inlet system
- 3 Multiport sample inlet, for multiple sample streams and calibrant inlet

### **Switching devices:**

1. Deans column switching
2. Backflush
3. MS/FID split interface

### **Detector options:**

1. Methanizer
2. PDD, pulsed discharged detector for ppb level detection
3. PFPD, for trace sulfur detection
4. DSQII quadrupole mass spectrometer
5. PolarisQ, ion Trap MS/MS mass spectrometer
6. TSQ Quantum GC, triple quad mass spectrometer



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