



solid partners
proven solutions



Advanced Analytical
Instrumentation for
Lab Applications



www.mtb.es

Company Overview

PAC is a leading global manufacturer of advanced analytical instruments for laboratory and online process applications in the hydrocarbon processing industry.

PAC offers an extensive product portfolio with cutting-edge solutions for gas chromatography, elemental analysis, physical properties, fuels composition, and laboratory automation.

PAC complies with ISO 9001-2015 and 17025-2017 standards, which guarantees the quality of our

products and reaffirms our commitment to quality, precision and customer support.

We're an industry leader in standards development, and we work tirelessly to establish benchmark procedures that scientists and analysts around the world rely on every day to build better products and a cleaner environment.

PAC operates as a unit of Roper Technologies, Inc., a diversified technology company and a component of the S&P 500, Fortune 1000, and Russell 1000 indices.

The most respected and long-established brands of analytical equipment in one single organization



Product Lines

PAC has combined the world's most respected and long-established brands of analytical and testing equipment into a single manufacturing, marketing and service organization. Each of our brands have long histories of developing best-in-class analytical instrumentation for lab and process applications. In fact, the dynamic synergy of the PAC team and its unique technologies has led to the development of unique, cutting-edge instruments.

In close cooperation with various standards organizations throughout the world, PAC introduces innovative instruments & applications which adhere to various standards by ASTM, CEN, DIN, GPA, IP, ISO, and UOP.

Services, Support & Training

Our individualized instrument service programs help our customers ensure maximum quality and repeatability, while complying with standards and regulatory requirements.

In addition to service programs, we also offer individual services for preventative maintenance, calibration, and relocation services. Our Service Repair Centers, located around the world, are ISO-9001 accredited. All work is performed by skilled certified service technicians.

PAC offers a wide selection of training and educational programs to support our customers throughout the range of industries that our instruments serve.

Our training programs may take place in one of our PAC facilities worldwide or right at the customer's facility. We also offer webinars of some of our key technologies online.



Iris Software

The Iris Software is an advanced, laboratory results management and reporting software system, developed by PAC, which provides customers the advantage of connecting their lab instruments, locally or worldwide, and manage them from a single computer. This greatly improves laboratory efficiency, which reduces the amount of training needed when working with multiple software platforms. In addition, IRIS can perform data reprocessing without re-running a sample, which increases laboratory productivity. IRIS is also compliant with security and quality protocols.



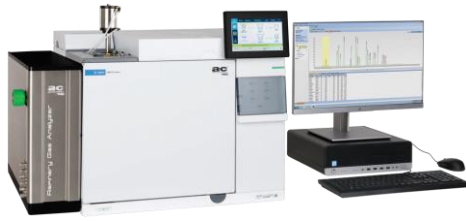
Certified Reference Materials

PAC offers a broad range of Certified Reference Materials (CRM), calibration standards and reference samples to support your testing needs. By routinely verifying your instrument's performance, you can ensure consistent quality that meets expected performance demands. This will help you establish good inter-laboratory correlation and generate reliable test data.

Benefits:

- Ensures dependable performance of your equipment
- Isolates testing bias before it impacts product quality
- Certified values determined through International round robin testing by a minimum of 12 labs
- Meets traceability requirements for ISO/NAMAS accreditation

Gas Chromatography Instruments Overview



AC Hi-Speed Refinery Gas Analyzer



Reformulyzer M4

Category	Full Composition Analysis							Boiling Point Distribution		
Model	AC NGA	AC HiSpeed RGA AC FastRGA AC LPG	AC DHA Analyzers		AC Reformulyzer® M4	AC PIONA Prefrac M3	AC GCxGC PIPNA in Jet and Diesel Analyzer	AC MDA Analyzer (HPLC)	Productivity Center	
			Regular	AC DHA Front End					AC 8612™ Analyzer	AC8634™ Analyzer
Standard Method	D1945 ISO 6974 GPA 2261 Extended NGA: ISO 6975, ISO 6976, GPA 2172, GPA 2286, GOST 31371	D1946 , D2163, D2598, D3588, EN ISO 7941, IP 405, EN 15984, UOP 539, GOST 31371, GOST R 54484	AC Fast DHA D6729, D6730, D5134, D6733, GOST R 52714, GOST 54275	D7900, EN 15199-4, IP 601,	ISO 22854, D6839, D5443, IP 566, SH/T 0741, GB/T 28768-2012, GOST R EN ISO 22854	D5443	UOP 990	D6591, EN 12916, IP 391, GOST R EN 12916, D6379, IP548, IP436	D86 equivalent for groups 0, 1 and 2 GOST 2177	D86 equivalent for groups 3 and 4 , D2887, EN ISO 3924, IP 406, GOST 2177
Application	NGA: C1-C6, C6+ hydro carbons, Hydrogen sulfide Extended NGA: C1-C14, C14+ hydrocarbons, Non-condensable gases: nitrogen, carbon dioxide and oxygen, hydrogen sulfide	Non-condensable Gases, C1-C5, C5+ hydro carbons	C1 - nC14 ethanol, Butanol, MTBE/ ETBE/TAME, methanol, t-Butanol	Light Hydrocarbons in Crude	Hydrocarbon Group Types and Oxygenates	Hydrocarbon Group Types	Paraffins, Naphtenes, Aromatics, FAMES	Mono-, Di-, and Poly-ring aromatics	Simulated Distillation, Atmospheric Distillation, Gasoline	Simulated Distillation, Atmospheric Distillation
Refinery Gas		•								
Natural Gas	•									
Biogas	•									
LPG		•								
Gas in Petrochemical		•								
Straight Run/ Naphtha			•	•	•				•	
Depentanized Bottom			•	•	•				•	
Reformate			•	•	•				•	
FCC-Light			•	•	•				•	
FCC-Middle			•	•	•				•	
FCC-Heavy			•	•	•				•	
Visbreaker			•	•	•				•	
Alkylate			•	•	•				•	
Isomerate			•	•	•				•	
Gasoline Blend			•	•	•				•	
Gasoline with Oxygenates			•	•	•				•	
Jet Fuel							•	•		•
Diesel							•	•		•
Micro Activity Testing						•				
Lubricant (stock base) with and without Oxygenates										
Thermal Crack Feed										
Crude Oil				•						
Residue										
Biofuels							•	•		

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worldwide.

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