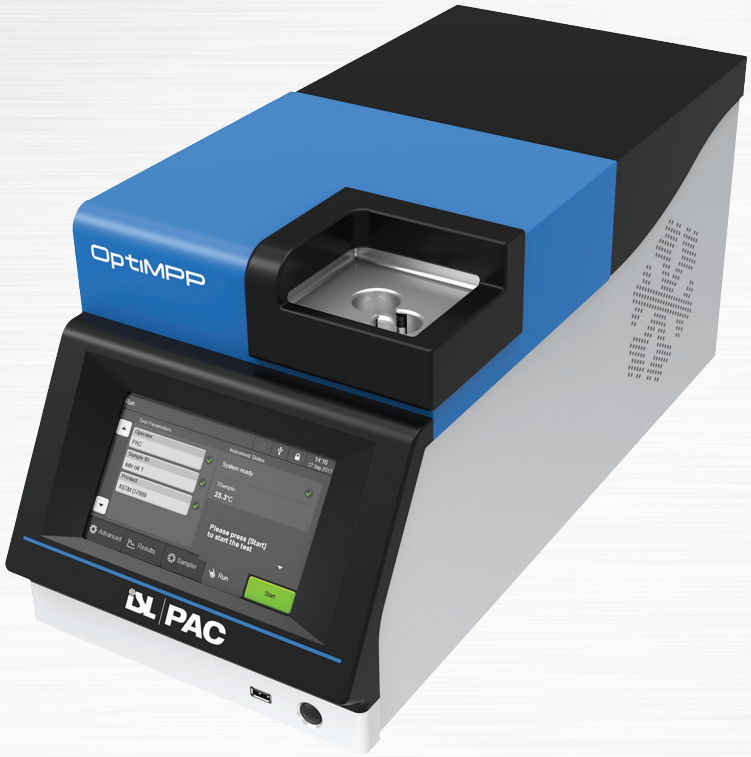
PAC solid partners proven solutions



OptiMPP

Mini Cloud & Pour Point Analyzer

- No external coolers
- High precision with 0.1°C resolution
- Optimized blending operations
- Ultra low temperature testing to -95°C
- No cleaning required
- Built-in 20 position sample changer with single button initiation

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OptiMPP

INCREASES PRODUCTIVITY AND IMPROVES REPEATABILITY AND REPRODUCIBILITY

The automated OptiMPP provides highly accurate cloud and pour point results using only 0.5 ml sample. Simply place the sample in a disposable vial into the 20 specimen sample changer and press the OK key. No special programming or expected point is required. Results are available in 20 minutes for a -30ºC pour point.

OptiMPP significantly increases productivity and improves repeatability and reproducibility with a 0.1ºC resolution. The instrument eliminates external coolers and allow testing as low as -95ºC. The user-friendly OptiMPP is ideal for use in applications where standard laboratory instrumentation cannot be applied, or is restricted due to insufficient response time, small sample volume availability, or untrained staff with little exposure to lab equipment.

KEY ADVANTAGES

- High precision with 0.1°C resolution
- Optimize blending operations
- Ultra low temperature testing to -95°C
- No cleaning required
- Fast results; high throughput
- Built-in 20 position sample changer with single button initiation
- No external coolers required

APPLICATIONS

- Lubrication oils
- Base stock oils
- PAO
- Distillate fuels
- Liquid petroleum products
- Biodiesel

HIGH THROUGHPUT, POWERFUL PRECISION AND ULTRA LOW TEMPERATURE TESTING

SIMPLE, PRECISE TESTING

- Compact and portable; easily moves throughout your lab to areas ideal for your unique workflow
- Quick test setup: on screen prompts, pre-programmed settings
- Real-time display of test progress and result
- Self-contained, patented cooling system:
  - saves energy
  - enables ultra-low temperature testing
  - eliminates heat, noise, external liquid connections and toxic coolant vapors of external cooling units

OPTIONAL PC CONTROL & MULTI-INSTRUMENT NETWORKING

- Centralizes control and data management of up to 31 cold behavior, distillation & flash point instruments
- Automatically stores results to database with sorting and filtering capabilities
- Transmits results to external computer, network or LIMS with data extraction mask for each test program
- Compatible with other Windows-based applications
- Stores test programs, calibrating conditions, and service parameters for easily trackable quality verification

RELIABLE PERFORMANCE & SUPPORT

- Probe correction table for 5 different temperatures
- Accommodates and enhances most rigorous quality control programs

ASTM COMPLIANT

OptiMPP meets ASTM standard D7689-17 to determine the cloud point in a shorter time period than ASTM test method D2500.

The D7346-15 test method for no flow point and pour point (mini method) is specified as an alternate test method in:

- D396 Specification for Fuel Oil
- D2880 Specification for Gas Turbine Fuel

The D7689-17 test method for cloud point (mini method) is specified as alternate test method in:

- D975 Specification for Diesel Fuel
- D7467 Specification for Diesel Fuel Oil, Biodiesel Blend (B6 to B20)
- D6751 Specification for Biodiesel Fuel Blendstock (B100)

Also in correlation to:

- ASTM D 97
- ASTM D 2500
- ASTM D 5950
- ASTM D 5771
- ASTM D 5772
- ASTM D 6892
- ISO 3015
- ISO 3016
- IP 15
- IP 219
- IP 444
- JIS K 2269

SPECIFICATIONS

Operation	
Cloud Point Detection	Optical detection
Pour Point Detection	Pressure differential
Cooling Detection	Integrated cooling system
Test Intervals	Continuous 0.1°C resolution
Temperature Range	• Sample temperature +45°C to -95°C (to -139°F) • Sample preheating max. 60°C (140°F) • Temperature Measurement °C or °F
Password Security	Multi-level password protection
Calibration	• Automatic temperature calibration routine • 5-point temperature probe correction table • Programmable calibration frequency
Documentation	• On-screen and printed reports (USB/RS printer) Connections to PC or RS (delivered as standard) • Up to 200 results in memory; unlimited storage with PC
Standard Methods	D7346-15, D7689-17
Utility Requirements	
Electrical Connection	90-240 VAC, 300W, 50/60 Hz
Weight	30 kg (66 lbs)
Dimensions W x D x H	25.4 x 60 x 27.4 cm (1” x 23.6 x 10.8 inches)
Dimensions for ventilation	45 x 70 x 27 cm (18 x 28 x 11 inches)
Options & Accessories	
Printer	Ticket printer, 40 columns; (115 or 230V)
Sampling Support	Micro pipette 0 - 1 ml
CRM materials	Wide range of CRM materials for cold flow performance testing

Continuing research and development may result in specifications or appearance changes at any time

ABOUT PAC

PAC develops advanced instrumentation for lab and process applications based on strong **Analytical Expertise** that ensures **Optimal Performance** for our clients. Our analyzers help our clients meet complex industry challenges by providing a low cost of ownership, safe operation, high performance with fast, accurate, and actionable results, high uptime through reliable instrumentation, and compliance with standard methods.

Our solutions are from industry-leading brands: AC Analytical Controls, Advanced Sensors, Alcor, Antek, Herzog, ISL, Cambridge Viscosity, PSPI, and PetroSpec. We are committed to delivering superior and local customer service worldwide with 16 office locations and a network of over 50 distributors. PAC operates as a unit of Roper Technologies, Inc., a diversified technology company and a constituent of S&P 500, Fortune 1000, and Russell 1000 indices.

HEADQUARTERS

PAC LP | 8824 Fallbrook Drive | Houston, Texas 77064 | USA
+1 800.444.8378 | www.paclp.com

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