



solid partners
proven solutions



HVP 972

Automatic Vapor Pressure Analyzer

- ④ Fully automated measuring cycle
- ④ Self-contained compact unit
- ④ Versatile measuring modes
- ④ Quality check tracking

HVP 972

ACCURATE VAPOR PRESSURE ANALYSIS

Herzog's HVP 972 is designed for accurate determination of vapor pressure of both automotive and aviation gasoline, turbine fuels, other light distillate petroleum products, crude oil, hydrocarbon solvents and chemical compounds.

The Herzog HVP 972 provides quick, accurate results of vapor pressure up to 1,000 kPa (145 psi) within a temperature range of 0 to 100°C. Significantly increase productivity with perfect repeatability and reproducibility through the power of complete automation.

KEY ADVANTAGES

SIMPLE AND ACCURATE ANALYSIS

- User-friendly, time saving operation
- P_{tot}, P_{abs}, DVPE, RVPE or ASVP are reported in a single run
- Built-in rigorous quality assurance
- Calibration history, results and quality-check tracking



APPLICATION RANGE

- Volatility
- Gasoline
- Hydrocarbon-Oxygenates Mixtures
- Solvents
- Chemicals
- Turbine Fuels
- Crude Oil



STANDARD METHODS

- In compliance with:
 - ASTM D5191
 - ASTM D6378
 - EN 13016
 - IP 394
 - IP 481
- In correlation with
 - ASTM D323
 - ASTM D4953



IRIS SOFTWARE

Users can choose to have the HVP 972 operate as a stand-alone unit or benefit from using it in a PC-controlled network with PAC IRIS Software. This advanced lab instrument data integration software is designed specifically for PAC instruments to gather and analyze test data and communicate results so customers can make informed decisions.

PAC IRIS offers:

- Improved laboratory efficiency
- Simplified knowledge sharing and decision making
- Designed to promote Good Laboratory Practices

DATA ACCESS

Displays test status on LED readout for easy viewing

PORTABLE

Compact and lightweight design



SAMPLE INLET PORTAL

Ptot, Pabs, DVPE, RVPE or ASVP are reported in a single run



SPECIFICATIONS

| | |
|-----------------------------|--|
| Standard Methods | ASTM D 5191, ASTM D 6378, EN 13016, IP 394, IP 481 Correlates with: ASTM D 323; ASTM D 4953 |
| Measuring chamber | Nickel plated aluminum chamber with a total volume of 5 ml |
| Sample introduction | Via built in piston – automatically draws sample, no external vacuum pump required |
| Sample Volume | 1ml (typically 10 ml of sample required, including rinsing and sampling) |
| Test Duration | Average 10 minutes for standard run |
| Measuring Programs | Locally stores up to 50 standard or customized measuring programs |
| Temperature Range | User programmable from 0 - 100°C (32 - 212° F) Stability: 0.1°C (0.2°F) single temperature, stepped or ramped temperature profiles No external cooling necessary |
| Pressure Range | 0 - 1000 kPa Resolution: 0.1 kPa; Accuracy: 0.2 kPa User selectable pressure units: hPa, kPa, psi, mmHg, bar, mbar |
| Liquid Vapor Ratio Variable | 4 to 0,5 |
| Cleaning | By next sample or by solvent; the cleaning method is a part of measuring program |
| QC samples | Integral database for verification fluids tests; up to 5 profiles, each with target and allowed deviation settings; 50 last checks memory; printed reports; Pass/Fail notification for operator |
| Test Condition Verification | Message warning & audible alarms if test conditions are not correct |
| Quality Mark | The reported result is stamped with a quality mark if no derivation from given test condition was registered during run |
| Alarm Tracking | All messages are stored in the database along with a result |
| Calibration & Diagnostics | Automated calibration routine; 10-point probe offset correction table; calibration history tracking; calibration reports-print out; continual self-diagnostic; enhanced service diagnostics on analyzer functions; unit parameters backup/restore feature with PC software |
| Electrical | 100-240V/50-60Hz auto-switching; Power: 100 W |
| Dimensions | 33cm (13") W x 35cm (13.5") D x 47cm (18.5") H |
| Weight | 12 kg (26.5 lbs) |

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

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