

Computrac[®] Vapor Pro[®] XL With Autosampler



Automated Throughput - Without Compromising Accuracy

Next-generation, water-specific analyzer designed for automated, high-throughput testing without the complexity of Karl Fischer titration.

By combining stepped temperature testing with intelligent automation, VPXL with Autosampler delivers accurate, repeatable results while simplifying method development.

Engineered for modern laboratories and production environments, it offers unmatched flexibility, precision, and ease of use.

Why Choose VPXL?

Easy-to-Use, Fast, Efficient Operation: Results in minutes with minimal sample preparation and no chemical reagents – delivering superior speed and simplicity.

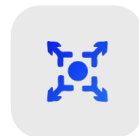
Proven Safer, Cost-Effective KF Alternative: Matching KF precision/accuracy with an instrument that is safer for operators and the environment

Highly Reliable & Repeatable: Less operator interference risk, consistent results every time

Eco-Friendly, Non-Destructive Testing: Chemical-free, no hazardous substances, reducing costs and operator risks, eliminating regulatory and disposal burdens

Simple Training & Setup: Get up and running in less than a day for training – VPXL's design and touchscreen interface make onboarding quick and easy

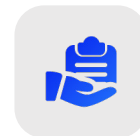
- **Automated, reagent-free moisture testing** with capacity for up to **16 samples**, each running its own individualized test profile and accommodating sample sizes from **0.01g to 8g**
- **Stepped temperature testing** accelerates method development while maintaining consistent performance across complex materials
- **Streamlined alternative to Karl Fischer workflows**, eliminating chemical handling, setup time, and operational complexity
- **High-throughput automation** minimizes operator involvement and improves overall laboratory efficiency with LED status bar visibility
- **Configurable end-point controls** allow users to fine-tune speed, accuracy, and repeatability based on application needs
- **Optional VPXL Analytical Balance** integrates directly with the system interface to reduce preparation steps and weighing variability



Maximize testing throughput



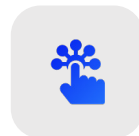
Perform individual test programs for each sample



Easy-to-handle



Compact size



Easy to use



No harmful chemical



No expensive glassware



Built for lasting performance



Repeatable



Reliable



Accurate



Sample Preparation



Automated Testing



Statistical Analysis



Data Management

Key Benefits

- **Chemical-Free, Hassle-Free:** Reagent-free operation - no toxic chemicals, no costly glassware, no time-consuming maintenance
- **Versatile Across Industries:** Perfect for polymers, plastics, lubricants, excipients, petroleum products, pharmaceuticals, chemicals, coatings, battery materials, and more
- **Touchscreen Simplicity:** 7" full-color LCD touchscreen with intuitive, menu-driven interface for fast onboarding and consistent results
- **High-Temperature Precision:** Test from 25°C to 300°C with premium heater control, accurate to $\pm 1.0^\circ\text{C}$
- **Advanced Temperature Profiling:** Programmable stepped temperature testing for complex or multi-phase materials - ideal for method development
- **Flexible Sample Handling:** May be configured for screw top or 8R vial sizes.
- **Smart Data Management:** Store up to 250 test programs, 1,000 results, and 100 graphs
- **Remote Monitoring:** Optional Computrac® Connect Webserver for real-time monitoring, calibration reports, audit logs, and method import/export
- **Simple Calibration:** NIST-traceable capillary tubes - no electrode maintenance or reagent replacement.
- **System-Level Integration:** Seamless workflow with VPXL Analytical Balance for accurate sample prep and efficiency
- **Standards Compliance:** Comparable to numerous ASTM standards

VPXL Integrated Workflow: How It All Connects

Weigh → Load → Click → Test

VPXL delivers a fully integrated, chemical-free moisture analysis process – engineered for precision, speed, and compliance.

- **Integrated Hardware & Software:** VPXL unites the analytical balance, autosampler, and analyzer for accurate, efficient testing with minimal manual steps.
- **Step-by-Step Excellence:** Instant statistical analysis: mean, standard deviation, and coefficient of variation for reliable results.
- **Computrac® Connect Web Server:** Access, real-time screens, calibration reports, and audit logs via browser. Download data, manage programs, and securely store results.
- **Technology Transfer Package:** Comprehensive documentation for method development, validation, by comparing with existing method - ensuring smooth implementation.

Result: A fully integrated, automated, chemical-free moisture analysis solution delivering reliable results, streamlined workflows, in an easy-to-use package for modern laboratories worldwide.



Computrac[®] Vapor Pro[®] XL Autosampler

Moisture Specific Analyzer



What's Included:

- VPXL Instrument
- VPXL Autosampler
- Power Cords
- Accessory Kit
 - Tweezers
 - 1.0 µL Microcaps (Box of 100)
 - High Temp Metal Caps (10)
 - Thin Septa (50)
 - Vial Testing Assembly Kit (20)
 - Inline Desiccator Kit w/tubing
 - Stylus



Accessories & Parts

- **VPXL Analytical Balance:** Precision Class I, 0.0001g readability
- **Computrac Connect Web Server:** Optional remote monitoring/data management
- **Dry Air Generator Kit**
- **Temperature Calibration Kit**
- **IQ/OQ/PQ Validation Package**
- **Small & Large Crimp Vial Adapters**
- **Color Printer**
- **Black & White Mini Printer Kit**
- **Travel Case**

VPXL can be factory upgraded with the Autosampler upon request

For ordering information visit
brookfieldengineering.com

Parameter	Specification
Moisture Range	10 ppm (10 µg 0.001%) to 100%
Moisture Resolution	1 ppm (0.1 µg 0.0001%)
Autosampler	Up to 16 samples
Temperature Range	25°C to 300°C
Results Displayed	% moisture, ppm moisture, µg water
Repeatability	<10% C.V. for >0.1% moisture <15% C.V. for >0.1% moisture
Memory	250 test programs, 1,000 results, 100 graphs
Statistical Tools	Mean, Std Deviation, Coefficient of Variation
Ending Criteria	Prediction, Rate, Time, Time then Rate
Calibration	NIST-traceable capillary tubes
Connectivity	USB, Ethernet, PC
Carrier Gas	Dry air or nitrogen (≤- 40°C dew point) at 17-22 psi
Touchscreen	7" LCD
VPXL Dimensions/Weight (alone)	6.8" H x 18.5" W x 11" D 17.7 lbs. (8.0 kg)
VPXL with Autosampler Dimensions / Weight	8.2" H x 29.0" W x 15.5" D 41 lbs. (18.6 kg)
Certifications	UL, CE
Warranty	2 years



Why Labs Choose VPXL

Minimized Downtime

- Document-led implementation and an intuitive touchscreen interface help your team get up and running quickly.
- Automated multi-sample testing with the optional Autosampler, combined with streamlined workflows, reduces manual steps - maximizing productivity and minimizing interruptions.

Improved Data Quality

- Precision sample preparation with the VPXL Analytical Balance ensures accurate, repeatable measurements every time.
- Advanced moisture analysis technology delivers reliable results with minimal operator training.
- Smart data management and audit logs provide full traceability and support regulatory compliance.

Confidence in Results

- Step-by-step validation protocols and comprehensive documentation give you confidence that your methods meet industry standards.
- Real-time remote monitoring via the Computrac Connect Web Server ensures results are easy to access from anywhere on your internal network.
- Expert support and training empower your team to achieve consistent, reproducible outcomes – no matter the application.

VPXL vs. Karl Fischer Titration, KF – At a Glance

Feature	VPXL Computrac Vapor Pro XL	KF Karl Fischer Titration
Speed	Fast results, minimal prep	Slower, extensive prep
Safety	Chemical-free, eco-friendly	Uses hazardous reagents
Maintenance	Simple, minimal Low None	Frequent, complex
Operator Training	Less than a day, fast & easy	Trained Chemist Required
Operator Risk	Eco-Freindly	Higher (chemical exposure)
Repeatability	Highly repeatable	Repeatable
Disposal Costs		High (chemical waste) Toxic
Calibration	Easy NIST-traceable	Electrode/reagent-based
Sustainability		Chemical Waste Industry
Industry Versatility	Broad (Pharma, Polymers, etc.)	Excluding Plastics
Other Benefits	Computrac Connect Web Server & Technology Transfer Package, Regulatory-Ready Documentation	Standard

