

Computrac[®] Vapor Pro XL, VPXL Product Guide



Repeatable



Reliable



Accurate

INTRODUCTION: THE FUTURE OF MOISTURE ANALYSIS

The Computrac® Vapor Pro XL, VPXL is a next-generation, chemical-free moisture analyzer engineered for modern labs and production environments.

As a powerful alternative to Karl Fischer Titration (KF), VPXL delivers accurate, repeatable, water-specific results – without hazardous reagents, complex maintenance, or regulatory headaches.



KEY BENEFITS

- Chemical-Free Operation:** No toxic chemicals - no hazardous waste.
- Highly Reliable & Repeatable:** Less operator interference, consistent results every time.
- Fast, Efficient Testing:** Results in minutes, minimal sample prep, no chemical interferences.
- Eco-Friendly & Safe:** Reduces disposal costs and operator risks, matches or exceeds KF precision.
- Simple Training & Setup:** One day of training, 1–20 minutes per test – much easier and faster than KF.
- Versatile Across Industries:** Ideal for polymers, lubricants, APIs, excipients, plastics, petroleum products, pharmaceuticals, chemicals, coatings, food & beverage packaging, battery materials, and R&D.



HOW VPXL WORKS

VPXL uses advanced water-specific detection technology to analyze water content in a wide range of sample types. Its intuitive touchscreen interface and flexible sample handling make it easy to onboard new users and optimize workflows.

- **Temperature Range:** 25°C to 300°C
- **Results Displayed:** % moisture, ppm moisture, µg water
- **Calibration:** Manual, NIST-traceable capillary tubes – no electrode maintenance or reagent replacement



AUTOMATED MULTI-SAMPLE TESTING

Expand your lab's throughput with the VPXL Autosampler.

Seamlessly integrated with VPXL, the Autosampler automates water-specific testing for up to 16 samples at once – without a drop of chemical reagent.

This fully automated, chemical-free system is ready to scale with your lab's needs, maximizing productivity and reliability.



ACCESSORIES

VPXL Autosampler*

Up to 16 multi-sample testing

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

Technology Transfer Package

Travel Case

Consumables: Septa, additional tubing, pipettes, sample vials, desiccator kits, filter kits

* Autosampler is factory add-on

REGULATORY & SUSTAINABILITY COMMITMENT

VPXL: Compliance Meets Sustainability

- **Regulatory Assurance:** Fully compliant with **21 CFR Part 11** and **ASTM standards** – supporting your lab's quality and audit needs.
- **Eco-Friendly Operation:** Chemical-free design reduces hazardous waste, cuts disposal costs, and ensures operator safety.
- **Why VPXL?** Reliable results today, a sustainable future tomorrow – protecting your team, your business, and the planet.



TECHNICAL SPECIFICATIONS

Parameter	Specification
Moisture Range	10 ppm (10 µg/0.001%) to 100%
Moisture Resolution	1 ppm (0.1 µg/0.0001%)
Autosampler Capacity	Up to 16 samples
Temperature Range	25°C to 300°C
Sample Size	0.01g to 8g
Repeatability	<10% C.V. for >0.1% moisture
Memory	250 test programs, 1,000 results
Statistical Tools	Mean, Standard Deviation, Coefficient of Variation
Calibration	Manual, NIST-traceable tubes
Connectivity	USB, Ethernet, Serial, Carrier Gas
Carrier Gas	Dry nitrogen/air ($\leq -40^{\circ}\text{C}$ dew point)
Touchscreen	7" LCD, 800x480 Color TFT
Dimensions/Weight	6.8" H x 18.5" W x 11" D, 17.7 lbs
Certifications	UL, CE
Warranty	2 years

VPXL VS. KARL FISCHER TITRATION (KF) – AT A GLANCE

Feature	VPXL, Vapor Pro XL	Karl Fischer Titration, KF
Speed	Fast, minimal prep	Slower, extensive prep
Safety	Chemical-free, eco-friendly	Uses hazardous reagents
Operator Risk	Low	Higher (chemical exposure)
Sample Throughput	Up to 16 automated samples	Up to 36 samples
Maintenance	Simple, minimal	Frequent, complex
Disposal Costs	None	High (chemical waste)
Compliance	21 CFR Part 11, ASTM	21 CFR Part 11, ASTM
Calibration	Manual, NIST-traceable	Electrode/reagent-based
Industry Versatility	Broad (pharma, polymers, etc.)	Broad

CUSTOMER SUCCESS & SUPPORT

Moisture Analysis Technology Transfer Package

Designed for Computrac®
MAX® Series and Vapor Pro® XL
Moisture Analyzers

World-Class Support: Onsite training, same day technical assistance, and a 2-year warranty.

Technology Transfer: Document-led implementation and validation protocols for seamless transition from KF or other methods.



NEXT STEPS

Ready to transform your moisture analysis?

- **Contact us for a free demo**
- **Request sample testing**
- **See VPXL in action – watch our videos**

