



How to Maximize Efficiency with VPXL Moisture Analyzer

A Step-by-Step Guide for Modern Laboratories

Introduction

In today's fast-paced lab environments, efficiency is everything. Whether you're managing high-volume testing or ensuring compliance in regulated industries, the right tools make all the difference. The Computrac® Vapor Pro® XL, VPXL by AMETEK Brookfield is designed to streamline moisture analysis – delivering fast, accurate, and chemical-free results.

This guide provides practical, step-by-step instructions to help you unlock VPXL's full potential, from set-up and calibration to multi-sample testing and maintenance. If you're a Lab Manager, QC/QA Specialist, or R&D Scientist, this resource will help you optimize workflows and achieve consistent, reliable results.

Section 1: Getting Started with VPXL

Step 1: Unpack and Inspect

- Verify all components: VPXL unit, power cord, calibration pipettes, and optional Autosampler.
- Check for any shipping damage before installation.

Step 2: Position Your VPXL

- Place the unit on a stable, vibration-free surface.
- Ensure proper ventilation and access to power.

Step 3: Power Up

- Connect the power cord and switch on the unit.
 - Wait for the system to complete its self-check.
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Section 2: Calibration Made Simple

Why Calibration Matters:

Accurate calibration ensures precise moisture readings and compliance with industry standards.

Step-by-Step Calibration:

1. Select Calibration Mode from the touchscreen menu.
2. Fill provided NIST traceable capillary tube with water and load into vial.
3. Follow on-screen prompts to complete calibration.
4. Confirm calibration status in the system log.

Pro Tip:

Unlike Karl Fischer titration, VPXL requires no electrodes or reagents, making calibration quick and hassle-free.

Section 3: Using the Autosampler for High Throughput

Boost Productivity with Multi-Sample Testing:

- Attach the Autosampler to your VPXL unit.
- Load up to 16 samples in designated positions.
- Configure test parameters for each sample via the touchscreen interface.
- Start the batch process and monitor progress in real-time.

Benefits:

- Reduce operator intervention.
 - Increase throughput without sacrificing accuracy.
 - Ideal for high-volume labs and production environments.
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Section 4: Data Management and Compliance Features

VPXL Compliance Highlights:

- Meets 21 CFR Part 11 and ASTM standards.
- Secure electronic records with user authentication.
- Audit trails for regulatory inspections.
- Export data via USB or network connection for easy integration.

Pro Tip:

Enable password protection and user roles to maintain data integrity in regulated environments.

Conclusion

VPXL is more than a moisture analyzer – it's a workflow optimizer. By following this guide, you'll:

- Reduce testing time from hours to minutes.
- Eliminate chemical hazards and disposal costs.
- Ensure compliance with industry standards.
- Maximize throughput with automated multi-sample testing.

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