Computrac® Vapor Pro® XL

Chemical-Free Alternative to Karl Fischer Titration

The Computrac Vapor Pro XL is a moisture (water-specific) analyzer that provides accuracy, precision, and flexibility with an advanced user interface. The Vapor Pro XL is ideal for nearly any application in which Karl Fischer titration is used. It features a premium heater and increased control over testing temperatures. The Vapor Pro XL is completely free of harmful reagents and is compatible with multiple sizes of sample vials. It is also equipped with stepped temperature testing capabilities for enhanced method development.

Features

ZERO CHEMICAL REAGENTS: The Vapor Pro XL offers moisture-specific analysis that correlates well with Karl Fischer, without the hassle or expense of hazardous chemical reagents, costly glassware or time-consuming maintenance.

VERSATILE: From plastics and petroleum products to pharmaceuticals, chemicals, and more, the Vapor Pro XL is ideal for nearly any application in which Karl Fischer titration is used.

TOUCHSCREEN: The 7" color LCD touchscreen and intuitive interface require minimal training or existing knowledge base to operate. Everything is menu-driven so that you'll get accurate, repeatable results regardless of who runs the test.

HIGH TEMPERATURE TESTING: The sample heater increases the maximum testing temperature to 300°C and allows for improved control over testing temperatures across the range of the instrument.

STEPPED TEMPERATURE TESTING: The Vapor Pro XL offers stepped temperature testing capabilities that make method development easier than ever before.

MULTIPLE SAMPLE VIAL SIZES: Compatible with most crimp top vials from 2R to 60R, the Vapor Pro XL allows users to test hygroscopic samples without removing them from their sample vials.

FLEXIBLE ENDING CRITERIA: User-adjustable ending criteria help to optimize test results and performance for your unique application.

DATA STORAGE: The Vapor Pro XL stores up to 250 test programs and retains the last 1000 test results and last 100 test graphs, enabling users to view and select past test results for statistical analysis and test a variety of samples with ease.

WEB SERVER: The optional web server allows users to monitor tests remotely and check in with operators. It also lets users download results and calibration reports, view the audit log, and transfer programs between instruments.

Repeatable   Reliable   Accurate

Computrac® Vapor Pro® XL

Moisture-Specific Analyzer

Specifications

Moisture Range	10 ppm (10 µg | 0.001%) to 100%
Moisture Resolution	1 ppm (0.1 µg | 0.0001%)
Repeatability	<10% C.V. for samples >0.1% moisture <15% C.V. for samples <0.1% moisture
Temperature Range	25°C to 300°C
Sample Size	0.01 g to 8 g
Results	% moisture, ppm moisture, µg water
Memory	Stores up to 250 test programs, last 1000 results, and last 100 graphs
Statistical Analysis	Mean, SD, CV
Ending Criteria	User adjustable: Prediction, Rate, Time, Time then Rate
Calibration	Manual calibration with NIST traceable capillary tubes
Operating Environment	32-40°C at <50% RH; 0-31°C at <80% RH
Power Requirements	100-120 VAC, 50/60 Hz, 8A or
Operating Environment	220-240 VAC, 50/60 Hz, 4A
Dimensions	6.8" H x 18.5" W x 11" D (17.2 cm W x 47 cm H x 27.9 cm D)
Weight	17.7 lbs. (8.0 kg)
Warranty	Two years, factory parts and labor (one year international)
Rear Panel Connections	USB A and B, ethernet, serial port, carrier gas input and output
Carrier Gas	Dry nitrogen or dry air (-40°C dew point or lower is suggested) at 17-22 psi (user supplied)
Touchscreen	7" LCD 800 x 480 Color TFT
Certifications	UL, CE

Methods & Regulatory Compliance

- 21 CFR PART 11 COMPLIANT (OPTIONAL): Meet regulatory compliance standards for pharmaceutical and medical device companies.

- ASTM D7191-10: Standard Test Method for Determination of Moisture in Plastics by Relative Humidity Sensor.

◎ Repeatable   ◉ Reliable   ◎ Accurate