Data Sheet

COMPUTRAC® VAPOR PRO® XL

Moisture Specific Analyser

Vapor Pro® XL – Moisture Specific Analyser

THE NEXT GENERATION IN MOISTURE ANALYSIS

Improved repeatability, precision, flexibility and an advanced user interface - the Vapor Pro® XL is the latest in moisture specific analysis technology from Computrac®. The VPXL is ideal for any application in which Karl Fischer titration is used. It features an upgraded heater and increased control over testing temperatures. The VPXL is completely chemical free 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 (VPXL) 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: The VPXL is ideal for any application in which Karl Fischer titration is used. From plastics to petroleum products, pharmaceuticals to chemicals, the VPXL is the perfect fit for your application.

TOUCHSCREEN: The VPXL features a brand new colour LCD touchscreen and an intuitive interface that require minimal training or existing knowledge base to operate. Everything is menu driven so that you'll get accurate results regardless of who runs the test.

HIGH TEMPERATURE TESTING: The VPXL comes with an upgraded heater, which increases the upper limit for testing temperatures to 300°C. The upgraded heater also allows for improved control over testing temperatures.

STEPPED TEMPERATURE TESTING: The VPXL offers stepped temperature testing capabilities with improved temperature control that make method development easier than ever before.

MULTIPLE SAMPLE VIAL SIZES: The VPXL allows users to test samples without removing them from their sample vials. This is especially important for hygroscopic samples.

FLEXIBLE ENDING CRITERIA: The VPXL offers user adjustable ending criteria of prediction, rate, time and time then rate to optimize performance and test results.

DATA STORAGE: The VPXL 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.

BUILT-IN SELF DIAGNOSTICS: The VPXL features built in self diagnostics that routinely monitor system conditions and report abnormalities in the hardware, software, moisture sensor and flow system.

Quick and accurate moisture analysis for a wide range of applications

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

ASTM D7546-15: Standard Test Method for Determination of Moisture in New and In-Service Lubricating Oils and Additives by Relative Humidity Sensor

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, Standard Deviation (S.D.), Coefficient of Variation (C.V.)
Ending Criteria	User adjustable: Prediction, Rate, Time, Time then Rate
Calibration	Manual calibration with NIST traceable capillary tubes
Power Requirements	100-120 V~, 50/60 Hz, 8 A maximum, or 220-240 V~, 50/60 Hz, 4 A maximum
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	One year, factory parts and labour
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	LCD 800 x 480 Colour TFT
Certifications	UL, CE