

Computrac[®] MAX[®] 4000XL

Rapid, Reliable Moisture and Solids Analysis

Increased precision, flexibility, and quicker test times – the Computrac MAX 4000XL provides reliable and accurate results up to 100 times faster than standard reference methods. The unique rapid cooling system increases throughput by 25%, improving your ability to monitor and adjust processes, maximize quality, and minimize waste. Its ease of use, versatility, and durability make the MAX 4000XL an ideal choice for manufacturing and laboratory environments alike.



Features

RUGGED CONSTRUCTION:

Equipped with an all-steel enclosure and a durable nickel chromium heating element, the Computrac MAX 4000XL is designed to provide lab-quality data whether it is in the lab or on the production floor.

RAPID COOLING SYSTEM:

The built-in lid fan quickly cools the heating chamber to reduce time between tests and increase overall throughput by 25%.

VERSATILE:

The MAX 4000XL is able to test material up to 100 times faster than standard oven reference methods and is ideal for everything from plastics and pharmaceuticals to foods, chemicals, and more.

FLEXIBLE ENDING CRITERIA:

User-adjustable ending criteria and pass/fail criteria help to optimize test results and performance for your unique application.

MULTISTAGE TESTING:

Several tests can be linked in order to form a single, multistage test that can change temperatures, ending criteria, and times between each test segment. This is especially useful for method development and for measuring both free and bound moisture in products that contain waters of hydration.

REAL-TIME RESULTS:

The MAX 4000XL offers simple, menu-driven operation and a user-programmable interface with a keypad and large color display that allows users to view real-time moisture curve and rate-of-moisture-loss graphs during testing.

WEB SERVER:

An optional web server allows users to download calibration reports, view the LCD screen, download the audit log, and upload and download test programs, results, and graphs.

DATA STORAGE:

The MAX 4000XL stores up to 250 test programs and retains the last 1000 test results and last 100 test graphs.

Computrac MAX 4000XL

Quick, Accurate Moisture and Solids Analysis for a Wide Range of Applications

Specifications

Moisture Solids Range	0.005% to 100%
Dry Weight Range	0% to 300%
Moisture Resolution	0.001%
Balance Resolution	0.0001 g
Repeatability	0.002% SD (*dependent on test program)
Temperature Range	25°C to 275°C
Heating Element	Nickel Chromium
Sample Size	100 mg to 40 g
Results	Moisture, Solids, Dry Weight, Purity
Ending Criteria	User adjustable: Prediction, Rate, Time, and 4 other combinations
Memory	Stores up to 250 test programs, last 1000 results, and last 100 graphs
Statistical Analysis	Mean, SD, RSD
Balance Calibration	Menu-driven calibration by the end user; NIST traceable calibration performed by the manufacturer
Heater Calibration	Menu-driven, NIST traceable calibration with optional Temperature Calibration Kit
Operating Environment	0-40°C at <50% RH; 0-30°C at <80% RH
Power Requirements	100-120 VAC, 50/60 Hz, 8A or 220-240 VAC, 50/60 Hz, 4A
Dimensions	9.5" H x 11.5" W x 19.5" D (24 cm H x 30 cm W x 49.5 cm D)
Weight	32 lbs. (14.5 kg)
Warranty	Two years, factory parts and labor (one year international)
Rear Panel Connections	USB A and B, ethernet, serial port
Display	1/4 VGA, 320 x 240 pixel, color
Certifications	UL, CE

Methods & Regulatory Compliance

- 21 CFR PART 11 COMPLIANT (OPTIONAL): Meet regulatory compliance standards for pharmaceutical and medical device companies.
- ASTM D6980-12: Standard Test Method for Determination of Moisture in Plastics by Loss in Weight.
- ASTM D7232-06: Standard Test Method for Rapid Determination of the Nonvolatile Content of Coatings by Loss in Weight.
- ASTM C471M-16a: Standard Test Methods for Chemical Analysis of Gypsum and Gypsum Products (Metric).

