

# MAX<sup>®</sup> 4000XL

## Moisture & solids analyzer

Quick, accurate moisture and solids analysis for a wide range of applications



### Specifications

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

## Rapid, reliable moisture and solids analysis

Increased precision, flexibility and quicker test times - the Computrac<sup>®</sup> MAX<sup>®</sup> 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<sup>®</sup> 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.



### 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.



### DATA STORAGE:

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



### 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.



### RAPID COOLING SYSTEM:

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



### 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.

## Methods & regulatory compliance

- **21 CFR PART 11 COMPLIANT (OPTIONAL):**  
Meet regulatory compliance standards for pharmaceutical and medical device companies
- **ASTM D6980-17:**  
Standard Test Method for Determination of Moisture in Plastics by Loss in Weight
- **ASTM D7232-16:**  
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)<sup>1</sup>