(800) 528-7411 or (602) 470-1414
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MAX®5000XL

Moisture, solids & ash analyzer

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

Specifications

Moisture | Solids Range	-	0.1% to 99.9%
Ash | LOI Range	-	0.5% to 100%
Moisture Resolution	-	0.0001%
Balance Resolution	-	0.0001 g
Moisture Repeatability	-	<5% RSD for samples >10% moisture
Ash Repeatability	-	≤5% RSD for samples >10% ash
Temperature Range	-	25°C to 600°C
Heating Element	-	Ceramic
Sample Size	-	100 mg to 100 g
Results	-	Moisture, Solids, Dry Weight, Ash, LOI
Ending Criteria	-	User adjustable: Prediction, Rate, Time, Reliability and 4 other combinations
Memory	-	Stores up to 250 programs, last 1000 test results and last 100 graphs
Balance Calibration	-	Menu driven calibration by the end user; NIST traceable calibration performed by the manufacturer
Heater Calibration	-	Menu driven, NIST traceable with optional Temperature Calibration Kit
Operating Environment	-	0-35ºC at <50% RH; 0-30ºC at <80% RH
Power Requirements	-	100-120 VAC, 50/60 Hz, 8A or 220-240 VAC, 50/60 Hz, 4A
Statistical Analysis	-	Mean, SD, RSD
Dimensions	-	18.5" L x 12.7" W x 9.5" H (47 cm L x 32.3 cm W x 24 cm H)
Weight	-	31 lbs. (14 kg)
Warranty	-	Two years, factory parts and labor (one year international)
Rear Panel Connections	-	Ethernet, serial port, parallel port
Display	-	1/4 VGA, 320 x 240 pixel, color
Certifications	-	UL, CE

Moisture, solids & ash analysis from a single sample

Increased precision, flexibility and higher testing temperatures - the Computrac® MAX® 5000XL provides accurate and repeatable moisture, solids and ash analysis from a single sample. It offers many of the same features as expensive thermogravimetric analyzers at a fraction of the cost. With a maximum temperature of 600°C and a maximum sample size of 100 grams, the MAX® 5000XL has the versatility to test a wide range of materials.

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Features

HIGH TEMPERATURE TESTING:
The oven of the Computrac® MAX® 5000XL can reach temperatures as high as 600°C, giving it the ability to perform both loss on drying (LOD) and loss on ignition (LOI) testing and making it an ideal alternative to expensive thermogravimetric analyzers.

VERSATILE:
The MAX® 5000XL is able to test material up to 100 times faster than standard reference methods and is ideal for everything from plastics and pharmaceuticals to foods, biomass materials and more.

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 allows the instrument to test for moisture, solids and ash content with a single sample.

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

RUGGED CONSTRUCTION:
Equipped with a ruggedly designed metal casing and a high temperature heater, the MAX® 5000XL is designed to provide lab quality data whether it is in the lab or on the production floor.

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.

REAL-TIME RESULTS:
The MAX® 5000XL 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.

SELF-CLEANING OVEN:
The oven of the MAX® 5000XL features a self-cleaning cycle that simplifies routine maintenance. It runs for 45 minutes at 550°C.

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 D7232-16:**
  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)