



Computrac® MAX® 5000XL

Moisture/Solids/Ash Analyzer

The Computrac® MAX® 5000XL advances the state of the art in rapid moisture and ash analysis with a new temperature controlled balance that provides users with more stable and accurate measurements. The new instrument also features a temperature ramp control feature that allows the MAX® 5000XL to be used for qualitative analyses that were previously only possible using a thermogravimetric analyzer (TGA).

The new MAX® 5000XL features the same intuitive user interface and rugged design as its predecessor the MAX® 5000. Improvements to the design and high temperature performance of the balance system of the MAX® 5000XL now make it possible to accurately analyze materials with ash concentrations of as little as 0.5%.

Results gained from this test is similar to a scan performed by a more expensive thermogravimetric analyzer. This new feature effectively transforms the MAX® 5000XL into a dual use instrument capable of quantitatively testing for moisture and ash and qualitatively testing for the presence of certain organic or inorganic ingredients, and the degradation temperature of the material under test.



- **Measures Moisture or Solids from 0.1% to 99.9% in Minutes**
- **Sample Sizes from 200mg to 100gm**
- **Temperatures from 25-600°C**
- **Temperature Ramping in 1°C Increments for Sample Characterization**
- **Linked Test Capability for Multiple Results from a Single Sample**
- **Security Access Codes to Protect Programs or Instrument Settings**
- **Computer Interface or Company Intranet Access Capable**
- **Stores up to 250 User-Programmable Parameter Set**
- **Free Trials and Loaner Service**
- **24-Hour Customer Support**
- **Free Method Development over the Lifetime of the Instrument**

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Additional Features:

- Customizable test parameters to optimize results
- Flexible ending criteria ensure accurate results
- Ashing-rate program prevents sample ignition
- Real-time graphing of weight loss, rate and end point prediction
- Foil and syringe weight entry mode for the most volatile samples
- Weight control aids operators and improves test precision
- Durable, 31 lb. cast aluminum case is dirt and vibration resistant
- Statistical function calculates mean, standard deviation and coefficient of variation between tests
- Alphanumeric programmable prompts for sample ID and lot numbers
- Self cleaning oven simplifies routine maintenance

MAX® 5000XL Specifications:

Sample Size	200 mg to 100 g
Resolution Moisture	0.0001%; Balance: 0.0001 g
Moisture/Solids Range	0.1% to 99.9%
Dry Weight Range	0 - 300%
Ashing Range	Measures ash/L.O.I. down to 0.5%
Results Display	% Moisture, % Solids, % Dry Weight, % Ash, % Loss on Ignition
Ending Criteria	Predict (auto or manual), Time, Rate, Time or Rate, Reliability, Temperature then Predict, Temperature then Rate, Temperature then Time or Rate
Heating Range	25 - 600°C, programmable in 1°C increments Maintained to ±1°C within the range 50 - 300°C and ±2°C within the range 301 - 600°C
Test Parameter Memory	244 user-programmable test parameter sets
Test Result Memory	Data from last 1,000 tests, graphs from last 100 tests
Program Identification	Alphanumeric; programmable prompts for lot or product ID number
Statistical Calculation	Mean, Standard Deviation, and Relative Standard Deviation
Power Requirements	100-130 V~, 50/60 Hz, 8 amps ~ 220 - 240V~, 50/60 Hz, 4 amps
Interfaces	RS-232 (9-pin standard); Parallel Printer (LPT-PC 25-pin standard); RJ-45 (ethernet)
Dimensions	18.5" D x 12.7" W x 9.5" H / 470 mm D x 323 mm W x 240 mm H
Weight	31 lbs/14 kg
Warranty	Two years, factory parts and labor (one year international)

Accessories:

- Multi-point Temperature Calibration Module
- Sample Basket
- Parameter Expert Development Software
- Printer
- Carrying Case
- Web Browser Intranet Software