



ARIZONA INSTRUMENT LLC  
3375 N Delaware St | Chandler, AZ  
www.azic.com



# COMPUTRAC® MAX® 5000XL Moisture | Solids Analyser

The Computrac MAX 5000XL moisture, solids and ash analyser can provide accurate readings for both moisture and ash from a single sample and at the press of a single button, offering many of the same features of thermogravimetric analysers 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 perform a wide range of material testing tasks.

## Features:

- Rugged steel 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.
- The analyser 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.
- Flexible, user adjustable ending criteria help to optimise test results and performance for your unique application or material.
- Simple, menu driven operation and a user programmable interface with keypad and large colour display to view real time moisture curve and rate of moisture loss graphs during 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
- The oven of the MAX 5000XL features a self-cleaning cycle that simplifies routine maintenance. It runs for 45 minutes at 550°C.
- 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.
- Temperature Calibration Interface (TCI) Module (optional) provides the user the ability to calibrate and verify the heater is calibrated to NIST standards, ensuring optimal performance and moisture results
- 21 CFR Part 11 Compliant (optional)
- Accuracy, Durability, Reliability, Consistency and Speed
- Four Decimal Place Balance
- Parameter Expert (develop parameters to match reference method)
- Programmable Temperature Ramp Control
- Linked Test Capability for Multiple Results from a Single Sample
- Security Access Codes to Protect Programs or Instrument Settings
- Customizable Test Parameters to Optimize Results
- 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
- Statistical Function Calculates Mean, Standard Deviation and Relative Standard Deviation
- Alphanumeric Programmable Prompts for Sample ID and Lot Numbers
- Self Cleaning Oven Simplifies Routine Maintenance
- Ethernet and Serial Ports, USB Web Server (optional)



### Registered Address

ABLE Instruments & Controls Ltd  
Cutbush Park, Danehill, Lower Earley,  
Reading, Berkshire, RG6 4UT. UK.

### Reading

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## Specifications

<b>Moisture   Solids Range</b>	0.1% to 99.9%
<b>Ash Range</b>	Measures ash/LOI down to 0.5%
<b>Moisture Resolution</b>	Moisture 0.0001%; Balance: 0.0001 g
<b>Moisture Repeatability</b>	>10% <5% Relative Standard Deviation >0.1% <0.1 Standard Deviation
<b>Ash Repeatability</b>	>10% <5% Relative Standard Deviation >0.5% <0.1 Standard Deviation
<b>Balance Resolution</b>	0.0001 g
<b>Temperature Range</b>	25 - 600°C 50 - 300°C controlled to ± 1°C 301 - 600°C controlled to ± 2°C
<b>Sample Size</b>	100 mg to 100 g
<b>Ending Criteria</b>	Prediction, Rate, Time, Time or Rate, Reliability Temp then Predict, Temp then Rate, Temp then Time or Rate
<b>Test Parameter Memory</b>	Storage of up to 250 programs, 1000 test results, and 100 data curves
<b>Statistical Analysis</b>	Mean, Standard Deviation, Relative Standard Deviation
<b>Results Display</b>	% Moisture, % Solids, % Dry Weight, % Ash, % LOI Linked test results - individual and total results are displayed after a linked series
<b>Linked Test Program</b>	Programmable temperatures for multistage testing
<b>Dry Weight Range</b>	0-300%
<b>Balance Calibration</b>	Menu driven calibration and verification in the field Programmable calibration reminder
<b>Heater Calibration</b>	Menu driven NIST traceable using an accessory TCI Module
<b>Self Diagnostics</b>	Built in hardware and software diagnostics software
<b>Access Code</b>	Programmable through front panel Two codes available for different levels of instrument access
<b>Power Requirements</b>	100-120 VAC, 50/60 Hz @ 8 amps 220-240 VAC, 50/60 Hz @ 4 amps Fused on/off switch as part of an EMI power entry module
<b>Dimensions</b>	18.5" L x 12.7" W x 9.5" H
<b>Weight</b>	15Kg.
<b>Warranty</b>	Two years, factory parts and labor (one year international)

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## Accessories

<b>600-0268</b>	Hi-Temperature Ash Sample Basket
<b>990-0093</b>	Carrying Case
<b>Y990-0098</b>	Printer Kit, Parallel 110V
<b>Y990-0193</b>	Temperature Calibration Interface (TCI) Module Kit 110V
<b>Y990-0197</b>	Parameter Expert Upgrade

## Parts

<b>300-0585</b>	Ashing Ring
<b>690-0003</b>	Weight, 3 Gram
<b>690-0004</b>	Weight, 5 Gram
<b>690-0025</b>	Weight, 50 Gram

## Consumables

<b>800-0037</b>	Sodium Tartrate, Reagent 500g
<b>990-0003</b>	Filter Paper, 11cm (Pack of 100)
<b>990-0008</b>	MAX Waffle Sample Pan (Box of 100)
<b>990-0010</b>	MAX Flat Sample Pan (Box of 100)
<b>990-0198</b>	MAX Thick Sample Pan (Box of 100)
<b>990-0199</b>	MAX High Wall Sample Pan (Box of 100)
<b>990-0204</b>	MAX Waffle for Ash Sample Pan (Box of 100)

## Applications

Adhesives & Sealants	Metal Components
Biomass	Metal Mining/Slurry
Black Liquor   Paper	Paperboard Mills
Corrugated   Solid	Power Plants
Fiber Boxes	Pulp Mills
Forest Products	Trommel Fines
Gypsum	Trona
Loss on Ignition	Wood Pellets

## Certifications

### ASTM D6980-09

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

UL and CE  
ISO 9001:2008

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