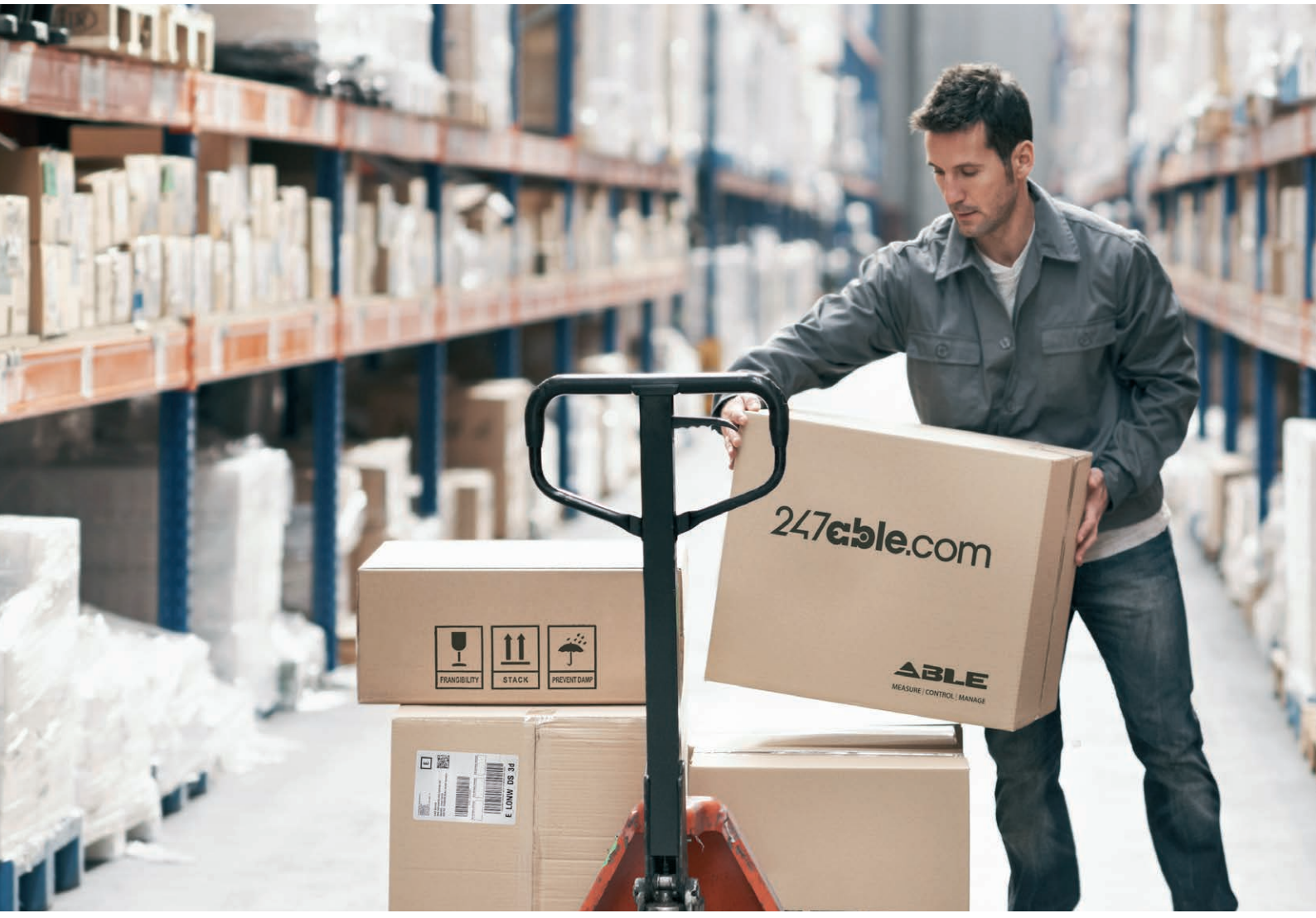
Data Sheet

COMPUTRAC® MAX® 5000XL

Moisture | Solids Analyser



Supplied by

247able.com

Call us on +44 (0)118 916 9420 | Email info@247able.com

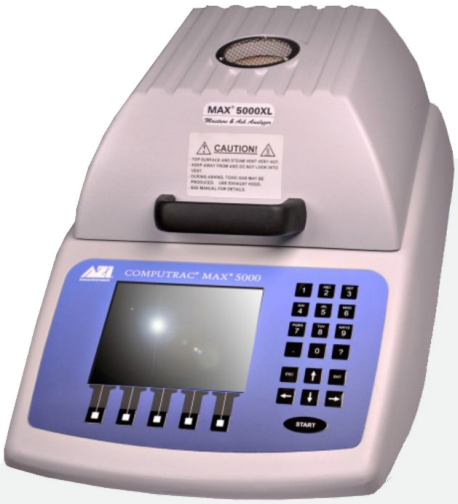
ARIZONA INSTRUMENT LLC
3375 N Delaware St | Chandler, AZ
www.azic.com

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
Tel: +44 (0)118 9311188 | Email: info@able.co.uk
Aberdeen
Tel: +44 (0)1224 725999 | Email: ab@able.co.uk

Web
able.co.uk
E-commerce
247able.com

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

ABLE

Specifications

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

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

Reading
Tel: +44 (0)118 9311188 | Email: info@able.co.uk
Aberdeen
Tel: +44 (0)1224 725999 | Email: ab@able.co.uk

Web
able.co.uk
E-commerce
247able.com

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

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

Parts	
300-0585	Ashing Ring
690-0003	Weight, 3 Gram
690-0004	Weight, 5 Gram
690-0025	Weight, 50 Gram

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

Applications

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

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

Reading
Tel: +44 (0)118 9311188 | Email: info@able.co.uk
Aberdeen
Tel: +44 (0)1224 725999 | Email: ab@able.co.uk

Web
able.co.uk
E-commerce
247able.com