

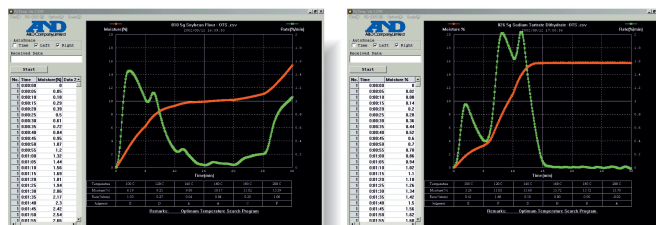
WinCT-Moisture

Measurement example

WinCT-Moisture consists of RsTemp software to determine the heating temperature and RsFig software for graphics.

1. Example of measurement using RsTemp software to determine the heating temperature

Automatically changes the heating temperature (by your setting increments and interval time) within a range of 50°C - 200°C. From the rate of change in moisture over time measurement it can determine the optimum heating temperature for the sample.

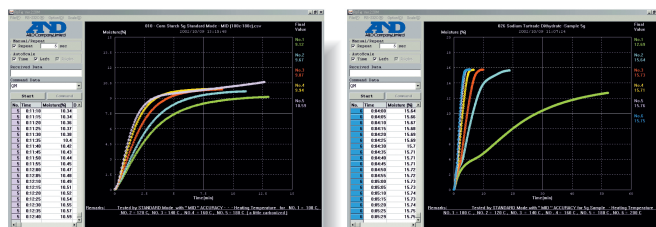


Soybean flour

Sodium tartrate dihydrate

2. Example of measurement using RsFig graphics software

Can be moisture rate against time when the heating temperature is changed as well as showing the result of repeated measurement at a certain temperature. From the graph, the highest possible heating range for the sample and the quickest measuring time can be determined.



Corn starch

Sodium tartrate dihydrate

Specifications	MX-50
Measurement Method	400W straight halogen lamp heating system with SRA filter and SHS weighing technology
Max Sample Weight Capacity	51 g
Weight Resolution	0.001 g
Moisture Content Display	0.01% / 0.1%
Moisture Content Accuracy over 1g (Standard Deviation) over 5g	0.10% 0.02%
Heating Technology	Halogen lamp (Straight type, 400 Watt max, 5000 hours)
Drying Temperature (1°C increment)	50-200°C
Memory of Measurement Programs	20 sets
Measurement Programs	Standard Mode/Automatic Mode/Quick Mode/Timer Mode/Manual Mode
Measurement Mode	Moisture content (Wet or Dry base) / Dry content / Ratio / Weight
Heating Mode	Standard / Quick / Step / Ramp
Display Type	Large VFD
Interface	RS-232C standard
Data Memory Function	100
Operating Temperature	5-40°C (41-104°F) less than 85% RH
GLP/GMP/ISO	Available
Self Check Function	Standard
Communication Software	WinCT-Moisture standard
Sample Pan Size	Ø85 mm
Power	AC 200 V to 240 V (1.5 A), 50 / Hz, Approx. 400 W
Physical Dimension/Weight	215 (W) x 320 (D) x 173 (H) / Approx. 6kg
Standard Accessories	Sample Pans - 20, Pan Handles - 2, Spoon, Test Sample (30 g of Sodium Tartrate Dihydrate), CD-ROM (WinCT-Moisture), Glass Fiber Sheet, RS-232C Cable, Display Cover, Dust Cover, Instruction Manual, Quick Reference Card, Power Cable, Fuse

Specifications are subject to change for improvement without notice.

Options:

AD-8121 B	Dot Matrix Compact Printer
AX-MX-31	Sample Pan (Ø 85 mm x 100 pcs)
AX-MX-41	Calibration Mass (20 g, equivalent to OIML class F1)
AX-MX-43	Certified Temperature Calibrator



AD-8121 B
Dot Matrix Compact Printer



The contents of this catalogue are subject to change due to modifications and/or other reasons.

MARKETED BY:

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Note: The above model meets the statutory and regulatory requirements as per the provision of legal metrology Act 2009 and legal metrology (General) Rule, 2011. Specifications are subject to change without notice. Other names and logos used are property of respective brands.

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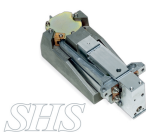


Form No. CAT-MX-50-022-R04



Select the best moisture analyzer for your application-Test with The Best

A&D's Moisture Analyzer
MX-50



Fast and uniform heating with halogen lamp and innovative SRA technology
Straight halogen lamp and uniquely designed SRA (Secondary Radiation Assist) filter gives shorter measurement time, thanks to fast and uniform heating

High Repeatability
with SHS (Super Hybrid Sensor) featured as the weight sensor, ultra accurate moisture content determination is possible based on high precision weighing of even a small sample

Standard win CT-Moisture for real-time graph displaying

Win CT-Moisture is an original software application designed to display a graph of moisture content rate change while measuring with a connected PC

Sodium Tartrate Dihydrate comes as standard for accuracy checking
Sodium Tartrate Dihydrate is a chemical material that has stable moisture content of 15.66%^{±0.05}

and thus is best to use for accuracy check to maintain the reference value of the analyzer

Calibration of the heater temperature

With the temperature calibration (optional), calibration result can be output in the format that conforms to GLP, GMP, ISO

Memory function

According to sample up to 20 suitable measurement conditions can be stored and recalled, which saves time

and prevents the user from making a mistake when setting

For measurement result, up to 100 data can be stored and output at once

Five measurement programs

Five choices of measurement programs, Standard, Automatic, Quick, Timer, and Manual Mode are provided

Standard Mode: just measurement accuracy, HI, MID or LO needs to be set

Automatic Mode: Ends measurement when moisture content changes at a rate less than the set rate

Quick Mode: Begins heating samples at 200°C for 3 minutes, then is the same as Automatic Mode

Timer Mode: Continues measurement for a set duration of time (1~60mins.: by 1min, 60~480mins.: by 5mins.)

Manual Mode: STOP button should be pressed to end measurement (Max. heating time: 480mins.)

Selectable Heating Mode

Choose the heating mode from standard, quick, step and ramp heating modes for the most suitable measurement

Clear and easy-to-see, large VFD display



Progress Window for heating check

Heating process can be checked through translucent window

Self check function

Defect check function is available along with temperature control

Quick Reference card

A convenient operating guide is installed at the bottom of the analyzer

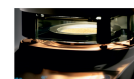
Standard RS-232C

Bi-directional communication with a PC or connects directly to a printer

Conformity to GLP, GMP, GCP, and ISO with date/time, ID,

Calibration data and check records outputs

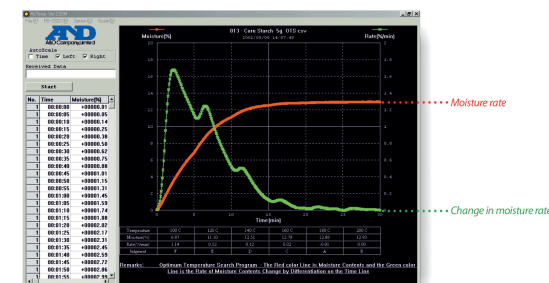
Data output for daily record management



WinCT-Moisture

With our WinCT-Moisture software, data measured by the Moisture Analyzers can be easily displayed on your computer.

Effective for determine measurement conditions such as heating temperature, and useful in reducing the time needed for measurement and improving accuracy.



Displays moisture rate changes over time in a graph (Rs Fig)

Displays changes in moisture rate in real time

Measures moisture rate in a minimum time with excellent accuracy

Heats at the highest temperature without change the physical properties of the sample and provides measurements with good repeatability

Automatically determines the most suitable heating conditions in a short time (Rs Temp)

Automatically changes the heat applied by the set increments and interval time within a range of

50°C-200°C. From the moisture rate change over the time can determine the most suitable heating temperature in one time measurement (*patent pending)

Shows sample data summary

Provides a data summary for the sample with the results of moisture rate change for the representative material's measurement

Calculates measurement data statistics

Saves the recorded data as a CSV file

Determine other changes to the sample material in addition to moisture rate