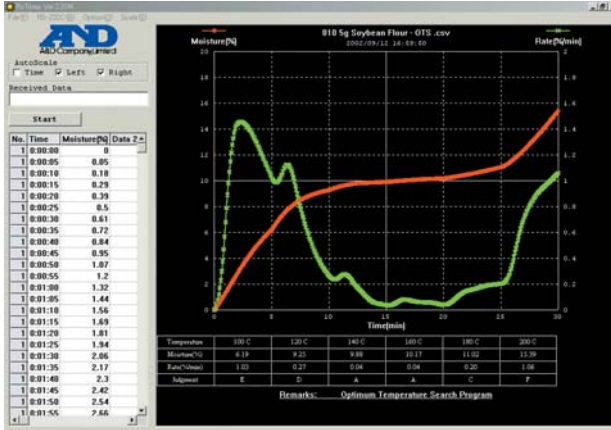


WinCT-Moisture Measurement example

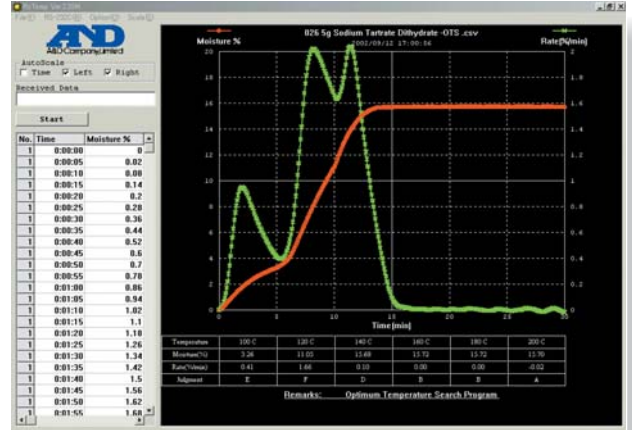
WinCT-Moisture consists of RsTemp software to determine the heating temperature and RsFig software for graphics.

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 30°C - 200°C. From the rate of change in moisture over time, in one time measurement it can determine the optimum heating temperature for the sample.



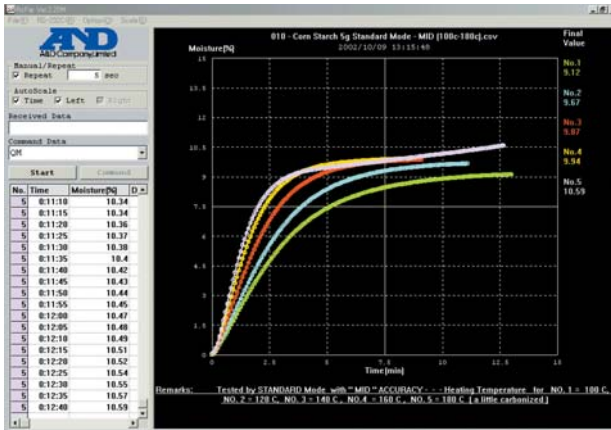
Soybean flour



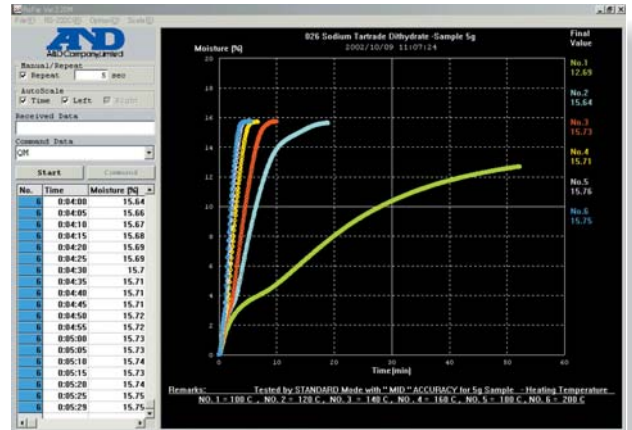
Sodium tartrate dihydrate

2. Example of measurement using RsFig graphic software

Can show moisture rate against time when the heating temperature is changed as well as showing the results of repeated measurements 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

Comparison between MS-70 and the KF (Karl Fischer) method

Example of PET plastic pellet measurement

	Moisture rate		Average measurement time	Measurement conditions
	Average value	Repeatability (standard deviation)		
MS-70	0.298%	0.0045%	6.8 mins	Heating temperature 180°C Test sample 10g Measurements 5 times
KF method	0.307%	0.0065%	19.1 mins	Heating temperature 180°C Test sample 0.3g Measurements 5 times

KF method: a way of measuring moisture content through chemical determination.

With PET plastic and other materials, the MS-70 can measure a drop of moisture content of less than 1%. Specialist knowledge is not necessary to operate the MS-70, and since measurement occurs quickly no harmful waste is produced.

Specifications	MS-70	MX-50	MF-50	ML-50
Measurement Method	400W straight halogen lamp heating system with SRA filter and SHS weighing technology			
Max Sample Weight Capacity	71g	51g		
Weight Resolution	0.0001g	0.001g	0.002g	0.005g
Moisture Content Display	0.001%/0.01%/0.1%	0.01%/0.1%	0.05%/0.1%/1%	0.1%/1%
Moisture Content Accuracy over 1g (Standard Deviation)	0.05%	0.10%	0.20%	0.5%
over 5g	0.01%	0.02%	0.05%	0.1%
Heating Technology	Halogen lamp (Straight type, 400 Watt max, 5000 hours)			
Drying Temperature (1°C increment)	30-200°C	50-200°C		
Memory of Measurement Programs	20 sets		10 sets	5 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			Standard/Quick
Display Type	Large VFD			
Interface	RS-232C standard			
Data Memory Function	100	50		30
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		WinCT standard	—
Sample Pan Size	Ø85mm			
Power	AC 100V to 120V (3A) or AC 200V to 240V (1.5A), 50/60 Hz, Approx. 400W			
Physical Dimension/Weight	215(W) x 320(D) x 173(H) / Approx. 6kg			
Standard Accessories	Sample Pans (20 for MS/MX/MF 10 for ML), Pan Handles (2 for MS/MX/MF, 1 for ML), Tweezers(for MS/MX/MF), Spoon (for MS/MX/MF), Test Sample (30g of Sodium Tartrate Dihydrate for MS/MX/MF), CD-ROM (WinCT-Moisture for MS/MX, WinCT for MF), Glass Fiber Sheet (for MS/MX/MF), RS-232C Cable (for MS/MX), Display Cover, Dust Cover(for MS/MX/MF), Instruction Manual, Quick Reference Card, Power Cable, Fuse			

Specifications are subject to change for improvement without notice.

Accessories

AD-8121B	Dot Matrix Compact Printer
AX-MX-30	Disposable Aluminum Pan (100pcs)
AX-MX-31	Sample Pan (Ø85mm x 100pcs)
AX-MX-32-1	Glass Fiber sheet (Ø70mm x 100 sheets)
AX-MX-32-2	Glass Fiber sheet (Ø78mm x 100 sheets)
AX-MX-33	Test Sample (Sodium Tartrate Dihydrate, 30g x 12pcs)
AX-MX-34-120V	Halogen Lamp for AC100V to 120V
AX-MX-34-240V	Halogen Lamp for AC200V to 240V
AX-MX-35	Pan Handle (2pcs)
AX-MX-36	Tweezers (2pcs)
AX-MX-37	Spoon (2pcs)
AX-MX-38	Display Cover (5pcs)
AX-MX-39	Dust Cover
AX-MX-40	RS-232C Cable (2m, 25-9pins)
AX-MX-41	Calibration Mass (20g, equivalent to OIML class F1)
AX-MX-42	WinCT-Moisture (CD-ROM, Application Software for Windows)
AX-MX-43	Certified Temperature Calibrator (only for MS/MX)
AX-USB-25P	Serial / USB Converter



AD-8121B
Dot Matrix Compact Printer

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Moisture Analyzers
MS-70/MX-50
MF-50/MIL-50



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