



A&D Moisture Analyzers

Test with The Best !

A&D Company Limited

Moisture Analyzer

MS-70/MX-50/MF-50/ML-50



- 0.001% Resolution (MS-70)
- 0.1% Resolution (ML-50)
- New SHS (Super Hybrid Sensor)
 - ~ 0.1mg internal resolution
- Halogen Lamp heater
 - Quick Heating
- Secondary Radiation Assist
- Data Transmission Software
 - WinCT-Moisture
(Standard for MS-70 & MX-50)

A &D Moisture Analyzer Family



Models	MS-70	MX-50	MF-50	ML-50
Moisture content display (%)	0.001/ 0.01/0.1	0.01/0.1	0.05/0.1/1	0.1/1
Drying temperature	30 to 200 °C (30 °C Available on WinCT-Moisture Ver.2.30-RsTemp) (On the hardware:MX/MF/ML-50: 50 °C-200 °C) (Only MS-70 can set its temperature at 30 °C.)			
Heating modes	Standard/Ramp/Step/Quick			Standard & Quick
Measurement programs	Standard/Automatic/Quick/Timer/Manual			
Communication software comes std.	WinCT-Moisture		WinCT	-----

Moisture Analyzer MS/MX series



- * Easy to Use
- * Simple Keys (8)
- * Easy to understand
- * 20 Programmable heating mode memories (MS-70 & MX-50)
- * Large bright VFD

MS/MX series' Competitors



Mettler HB43



Sartorius MA45

Moisture Analyzer MS/MX series



HB43 (LCD)



MA45 (LCD)



MX-50 (VFD)

Moisture Analyzer MS/MX series



- Instruction manual “Reference Card”

Moisture Analyzer

MS/MX series

- Excellent Accuracy
 - New Internal Temperature Compensation
 - New 7 layer Heat Isolation System
 - New SHS Weighing Sensor
 - Test Sample included
(Absolute Accuracy Guarantee)
 - Sodium Tartrate Dihydrate
 - 15.66% +0.3% -0.1%

Moisture Analyzer

MS/MX series

- New SHS for Moisture Analyzer

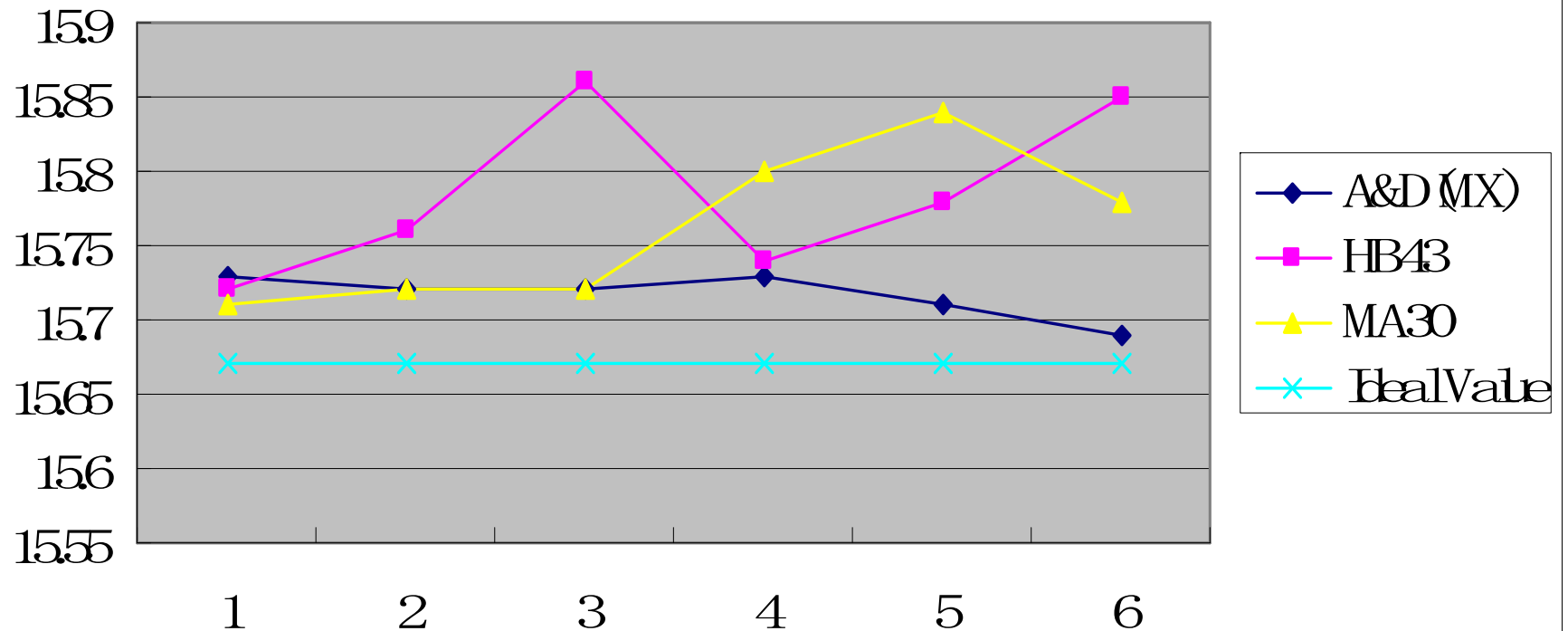


Newly Developed Weighing Sensor

Moisture Analyzer

MX/MS series (measured by MX-50)

Repeatability Test Result of Sodium Tartrate Dihydrate
(6g/160°C)



Moisture Analyzer

MS/MX series

Repeatability Test Result of

Sodium Tartrate Dihydrate (5g , 160°C)

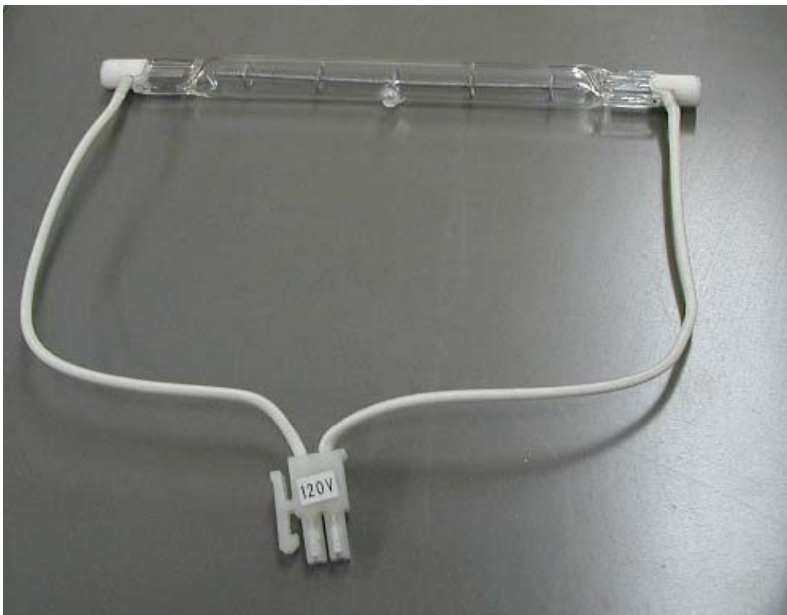
	Average	Std Dev	CV	Max-Min
MX-50	15.72	0.015	0.095	0.04
HB43	15.79	0.058	0.367	0.14
MA30	15.76	0.053	0.336	0.13

Ideal Value = 15.66%

Moisture Analyzer

MS/MX series

- Halogen lamp heater



- Quick heating
- Easy maintenance
- 400W
- 5000hours

Moisture Analyzer

MS/MX series

- Secondary Radiation Assist
 - Excellent heat distribution



Moisture Analyzer

MS/MX series



- Excellent Heat Distribution
- SRA(Secondary Radiation Assist)
- Quick Heating by Halogen Lamp
- Pan Support handler
- Drying Temperature
 - Max. 200°C
- Pan Size
 - 85mm (reusable pan)

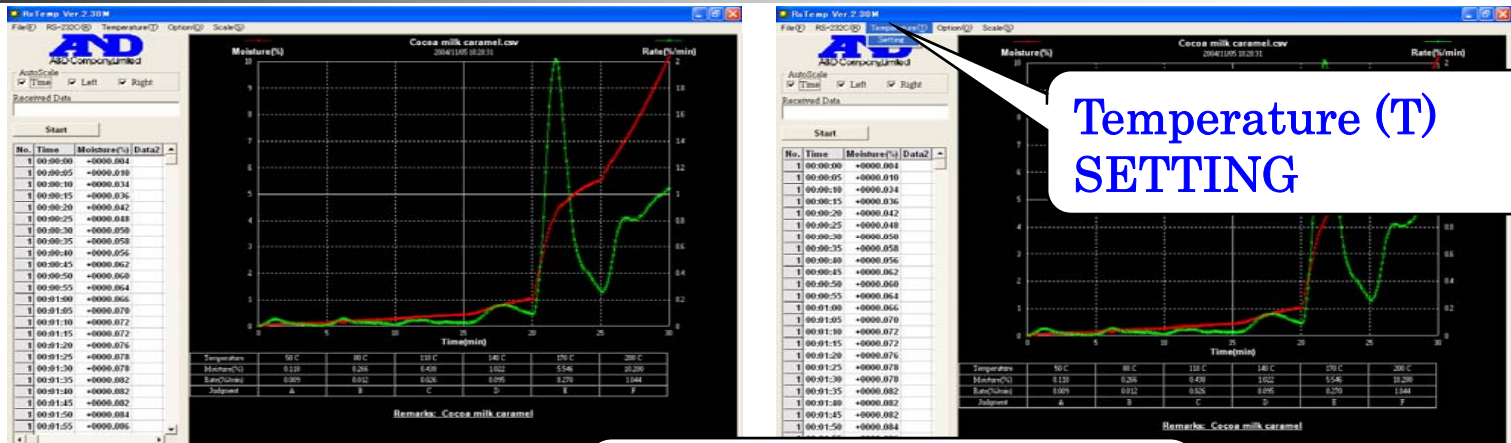


User-friendly WinCT-Moisture

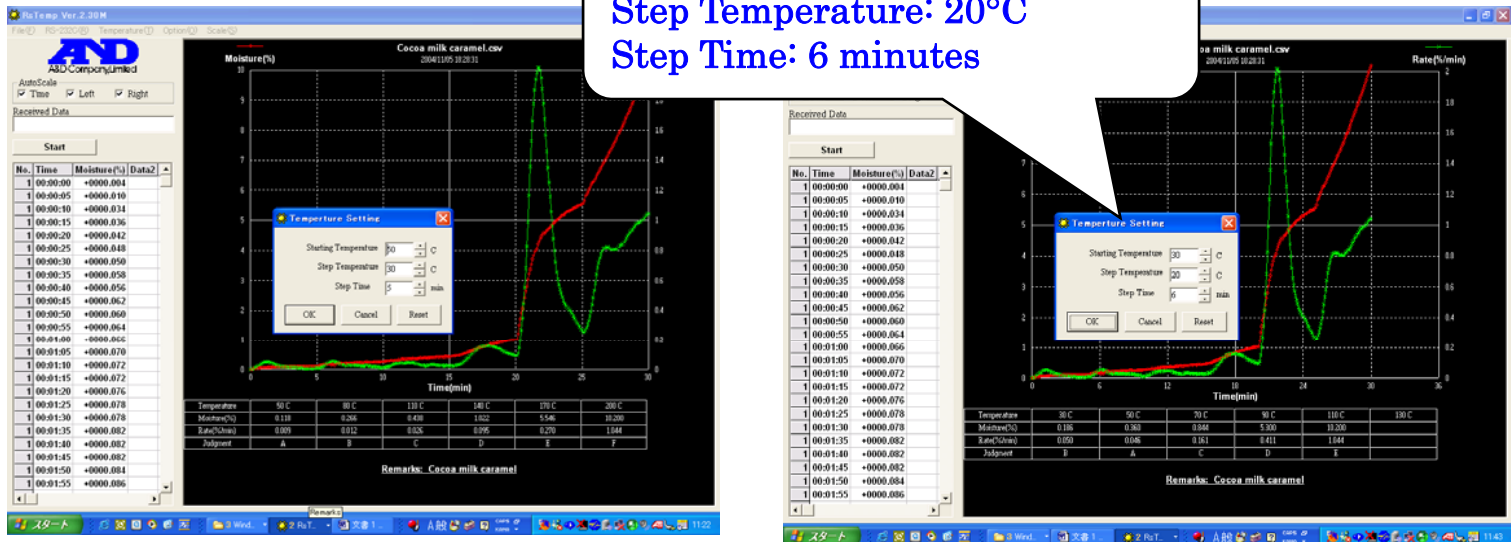
(Ver.2.30)

- **Review:** There are four application software in the WinCT-Moisture: RsCom, RsKey, RsFig and RsTemp.
- In the RsTemp (OTS: Optimum Temperature Search Program):
 - You can set the starting temperature from 30 °C by 1 °C as a six temperature steps.
 - Interval can be set by 1 minute as well.

User-friendly WinCT-Moisture (Ver.2.30) RsTemp

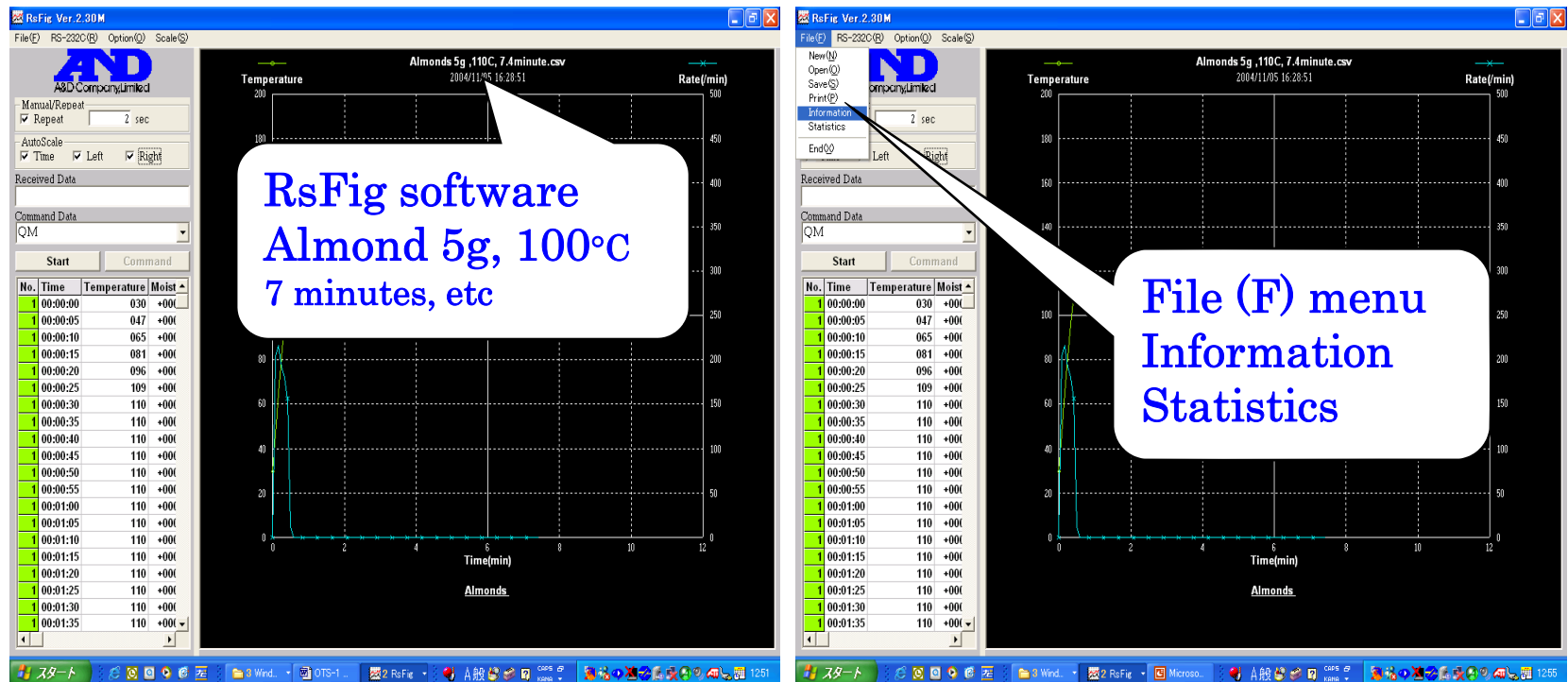


Starting Temperature: 30°C
Step Temperature: 20°C
Step Time: 6 minutes



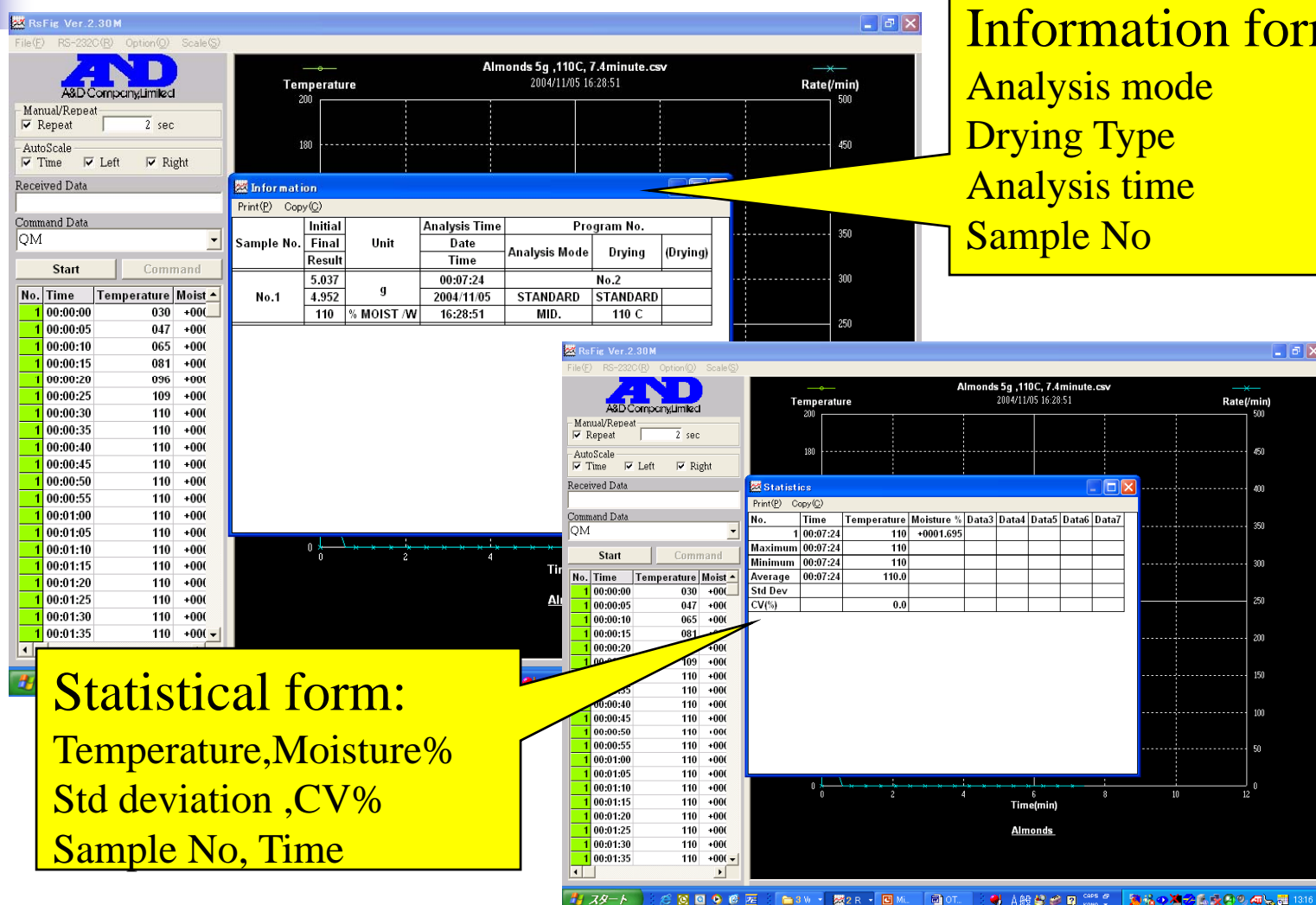
User-friendly WinCT-Moisture

- RsFig
- Shows sample data summary (Info & Statistics)



User-friendly WinCT-Moisture

Information form:
 Analysis mode
 Drying Type
 Analysis time
 Sample No



Statistical form:
 Temperature,Moisture%
 Std deviation ,CV%
 Sample No, Time



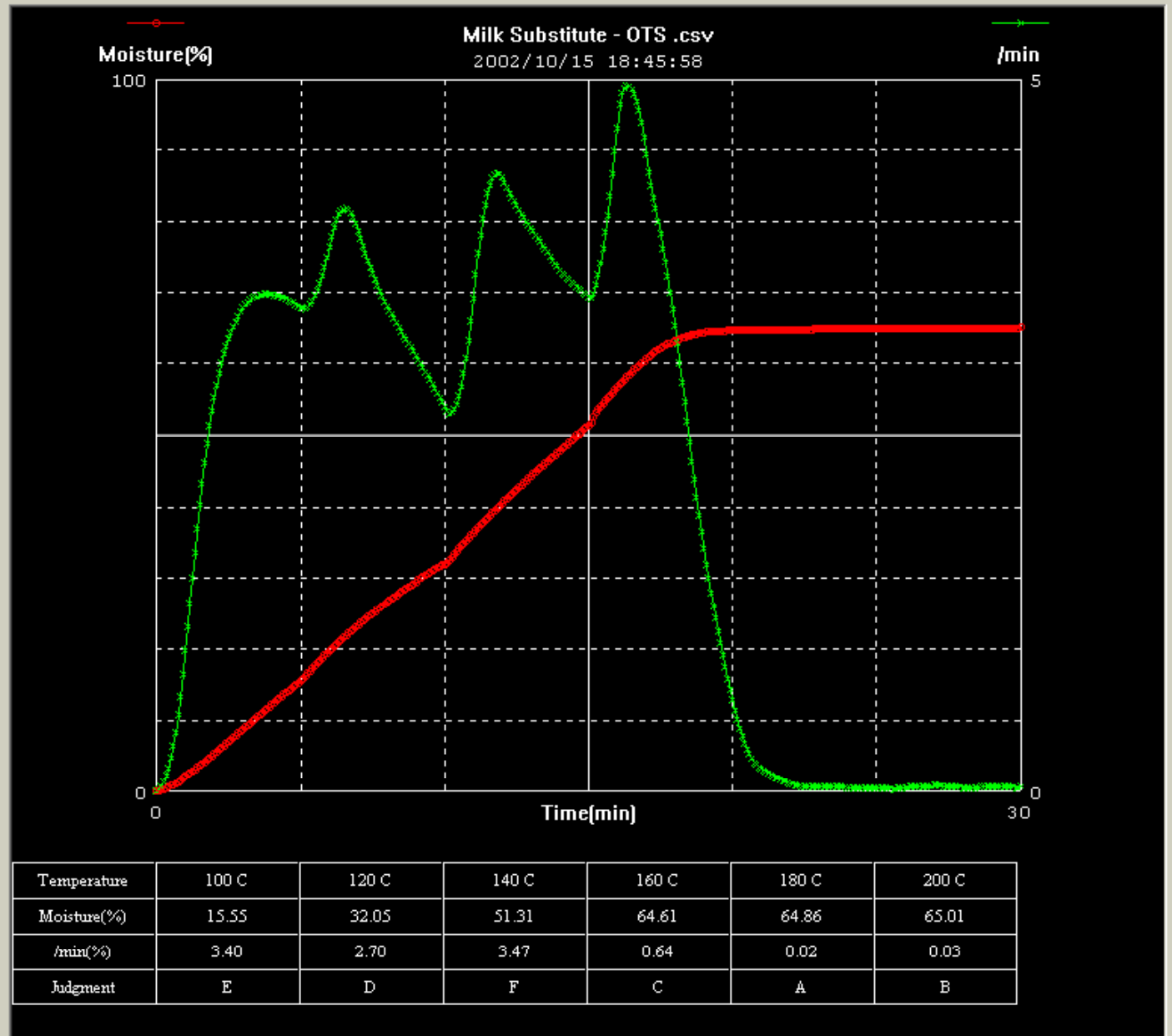
AutoScale

Time Left Right

Received Data

Start

No.	Time	Moisture(%)
1	0:00:00	0.06
1	0:00:05	0.14
1	0:00:10	0.25
1	0:00:15	0.37
1	0:00:20	0.5
1	0:00:25	0.64
1	0:00:30	0.82
1	0:00:35	1
1	0:00:40	1.21
1	0:00:45	1.41
1	0:00:50	1.63
1	0:00:55	1.86
1	0:01:00	2.09
1	0:01:05	2.32
1	0:01:10	2.56
1	0:01:15	2.82
1	0:01:20	3.08
1	0:01:25	3.35
1	0:01:30	3.6
1	0:01:35	3.87
1	0:01:40	4.15
1	0:01:45	4.41
1	0:01:50	4.67
1	0:01:55	4.96
1	0:02:00	5.24



RsFig Ver.1.04

File(F) RS-232C(R) Option(O) Scale(S)



Manual/Repeat

Repeat sec

AutoScale

Time Left Right

Received Data

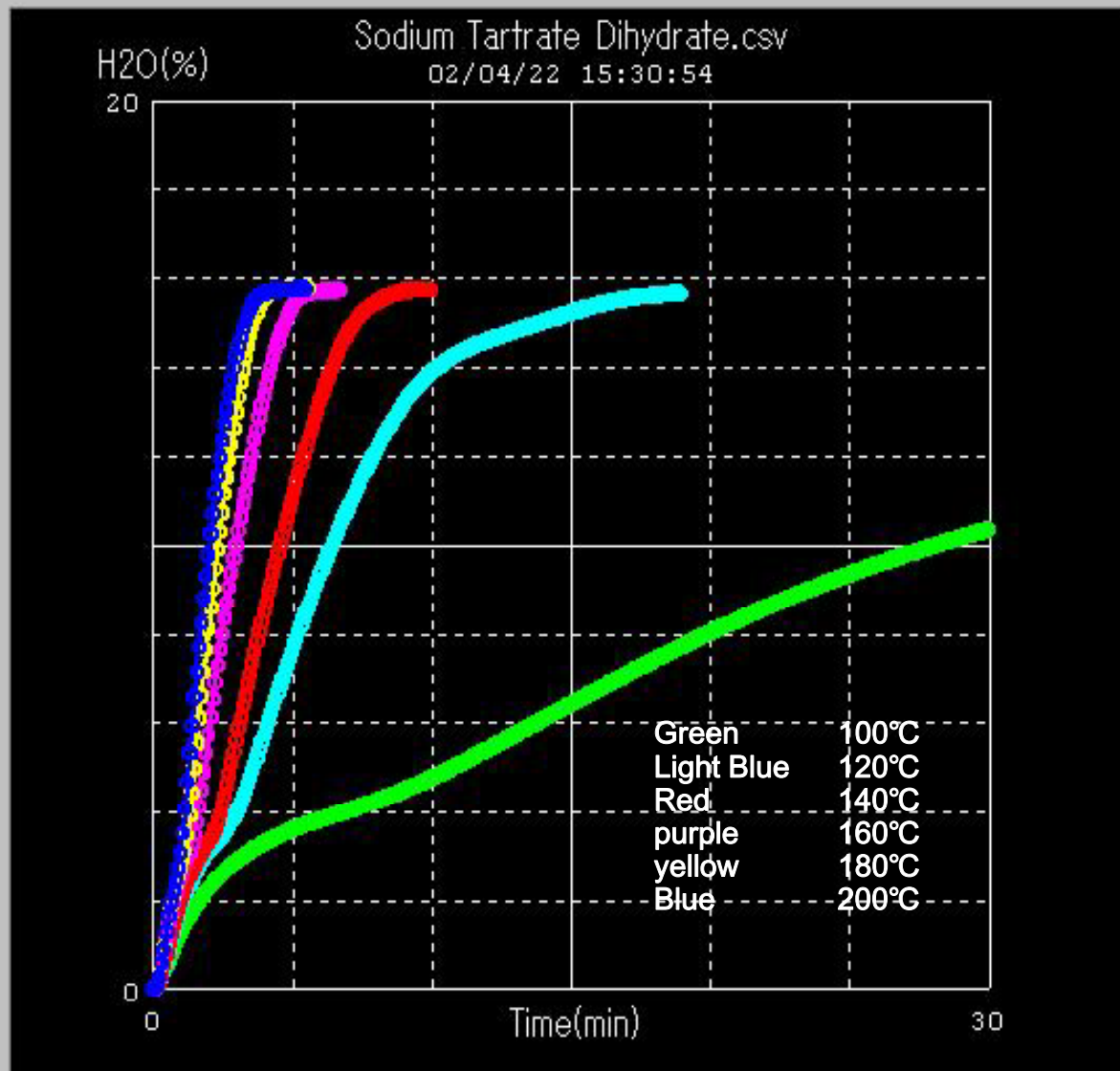
Command Data

QM

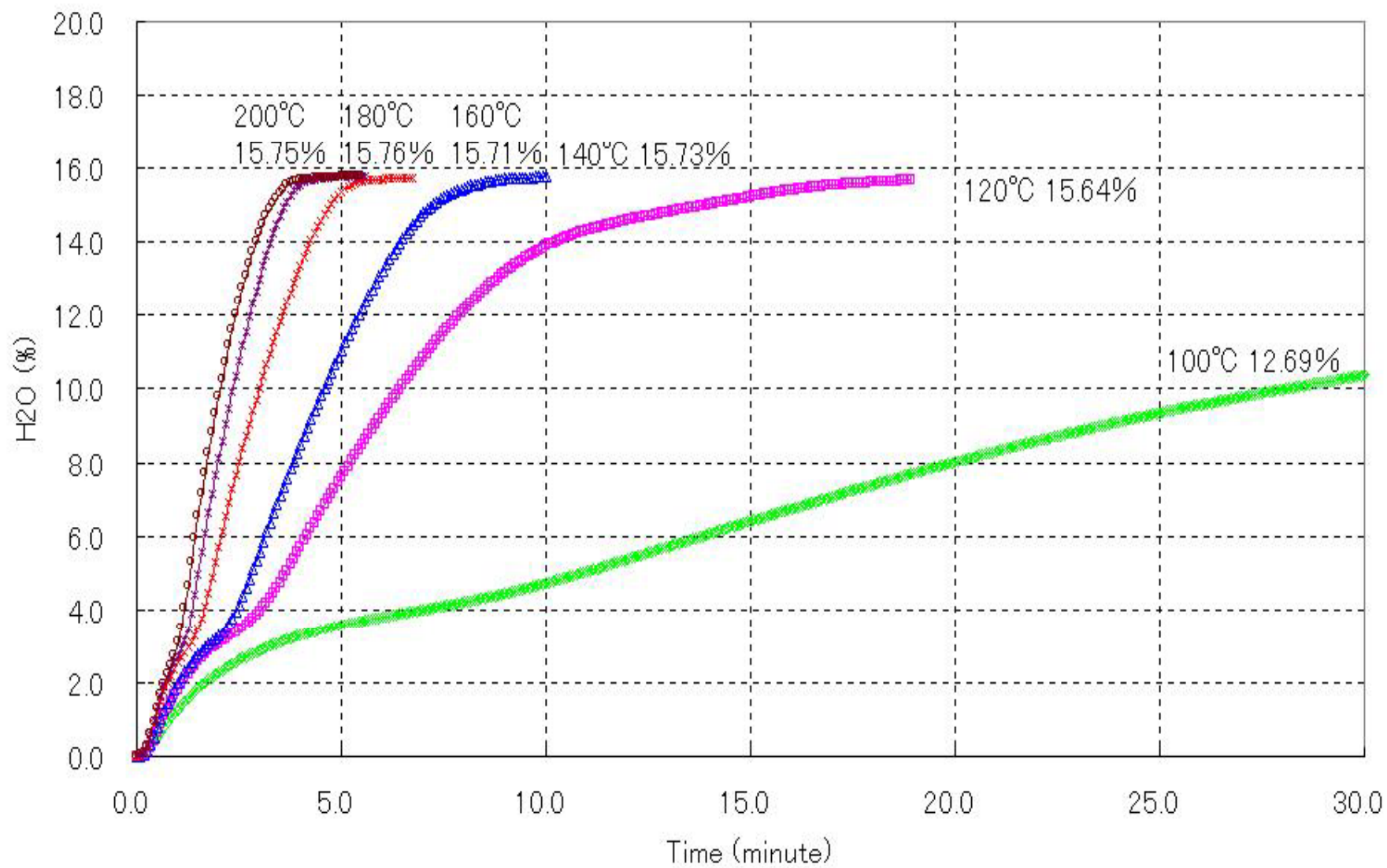
Start

Command

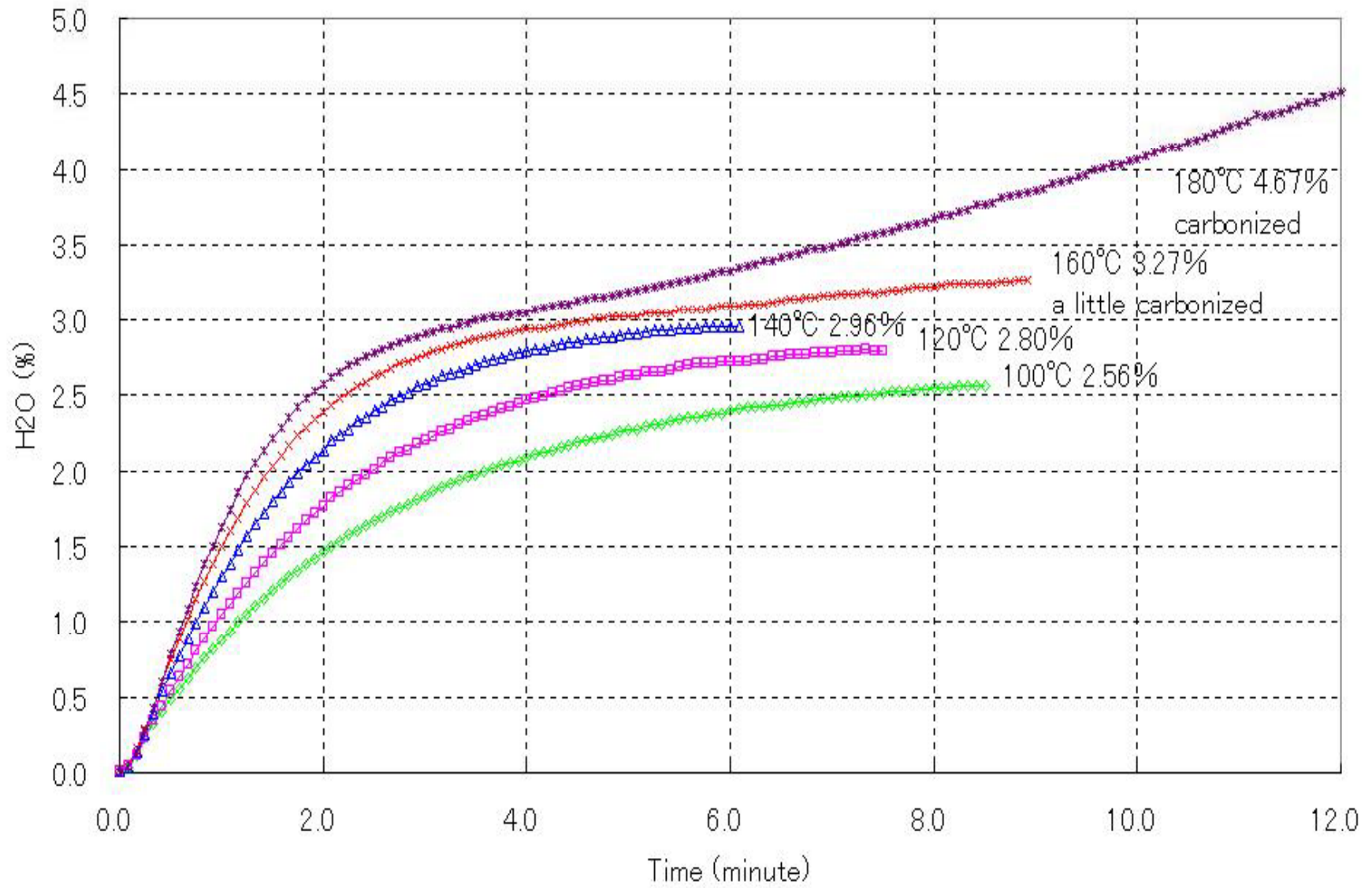
No.	Time	H2O(%)
1	00:00:00	+00000.00
1	00:00:05	+00000.01
1	00:00:10	+00000.05
1	00:00:15	+00000.13
1	00:00:20	+00000.27
1	00:00:25	+00000.40
1	00:00:30	+00000.52
1	00:00:35	+00000.65



Sodium Tartrate Dihydrate 5g



Soybean flour 5g





A&D Moisture Analyzers

Test with The Best !

Thank you !

