



MX/MF

Moisture Analyser





Viewing window

Heating process can be checked through a translucent glass window

Self Test Function

Automatic self testing function is available along with temperature control

Quick Reference Card

A convenient operating guide installed underneath the analyser

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 record outputs
Data outputs for daily record management



Test with The Best - True 0.01% (S.D.)

■ Fast and uniform heating with halogen lamp and innovative SRA technology

Straight halogen lamp and uniquely designed SRA (Secondary Radiation Assist) optical filter gives shorter measurement time, due to the fast and uniform heating

■ High repeatability of 0.01% (Standard Deviation)

With SHS (Super Hybrid Sensor) featured as the weight sensor, ultra accurate moisture content determination is possible based on high precision weighing of even small samples

■ Standard WinCT-Moisture (for MX only) for real-time graph display on pc

WinCT-Moisture is an original software application designed to display a graph of moisture content rate change while making it easier to set an appropriate analysing mode setting with a connected PC

■ Sodium Tartrate Dihydrate comes standard for accuracy checking

Sodium Tartrate Dihydrate is a chemical material that has stable moisture content of 15.66%, and thus is best to use for an accuracy check to maintain the reference value of the analyser

■ Calibration of the heater temperature (for MX only)

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

■ Memory Function

Up to 20 suitable measurement conditions can be stored and recalled, saving time (MF can store up to 10 sets).

For measurement result up to 100 sets can be stored and output at once (50 for MF) to printer or PC.

■ Four Measurement

Four choices of measurement programs, Standard, Autostop, Timer, and Manual Mode are provided.

Standard Mode: Just set measurement accuracy, to HI, MID or LO

Autostop Mode: Ends measurement when moisture content change is less than the set rate.

Timer Mode: Set a fixed time for measurement. (1 to 60mins: by 1min, 60 to 480mins: by 5 mins).

Manual Mode: Press the STOP button to end measurement (Max. heating time: 480mins).

■ Clear and easy-to-see large Vacuum Fluorescent Display

Measurement, setting value, change in moisture content, action status, data number and other important information are clearly displayed

■ Easy handling of the unit

Ergonomically designed pan handle eliminates mishaps such as burns when moving a hot sample tray into or out of the unit from either side. Wing handle for easy opening and closing of the heater cover

■ Low maintenance cost assured

The halogen lamp is user replaceable with short unit downtime and protective chamber for easy cleaning (Lamp life 5000 hours)

MX/MF Specifications	MX-50	MF-50
Measurement Method	400W straight halogen lamp heating system with SRA filter and SHS weighing technology	
Max Sample Weight Capacity	51g	51g
Weight Resolution	0.001g	0.002g
Moisture Content Display	0.01/0.1%	0.05/0.1/1%
Moisture Content Accuracy over 1g	0.10%	0.20%
over 5g	0.02%	0.05%
Heating Technology	Halogen lamp (Straight type, 400 Watt max, 5000 hours)	
Drying Temperature	50-200 C (1 C increment)	
Memory of Measurement Programs	20 sets	10 sets
Measurement Programs	Standard Mode/Automatic Complete Mode/Timer Mode/Manual Mode	
Measurement Mode	Wet base/Dry base/Solid content/Ratio	
Display Type	Large VFD	
Interface	RS-232C standard	
Data Memory Function	100	50
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 Dimensions/Weight	215(W) x 320(D) x 173(H) / Approx. 6kg	
Standard Accessories	20 Sample Pans, 2 Pan Handles, Tweezers, Spoon, Test Sample (30g of Sodium Tartrate Dihydrate), CD-ROM (WinCT-Moisture for MX-50, WinCT for MF-50), RS-232C cable for MX-50, Display Cover, Dust Cover, Instruction Manual, Quick Reference Card, Power Cable, 2 Fuses	

Specifications are subject to change for improvement without notice.

Options

DP-1012	Basic Printer
AD-8121	Dot Matrix Compact Printer
AX-MX-31	Sample Pan (ø85mm x 100pcs)
AX-MX-32	Glass Fiber sheet (ø70mm 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)
WTf1-20g	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 MX-50)



AD-8121
Dot Matrix Compact
Printer



DP-1012
Basic Printer

A&D ...Clearly a Better Value
A&D Instruments Ltd



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