

Electronic Digital Moisture Analyzer



Features:

- Test Parameter Memories
- Test Result Memories
- Start Temperature
- Max Temperature
- High Repeatability of 0.01% with Super Hybrid Sensor Technology
- Full Digital Calibration
- Low Maintenance Cost

Fast and uniform heating 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.

High moisture content measurement

MX-50 measures the moisture content at 0.01% resolution suitable for low moisture content samples as well as Karl Fisher method, yet requires no special knowledge or training and produces no harmful waste

Standard WinCT-Moisture for real-time graph displaying

WinCT-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% ^{-0.1/+0.3}, 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 calibrator (optional), calibrator result can be output in the format that conform 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 as 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 1 min, 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 (ML has Standard and Quick heating modes only)

Clear and easy-to-see, large VFD 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 pan 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 without unit downtime with protective chamber for easy cleaning (Lamp life 5000 hours)

Specifications:

Model	MX-50
Measurement Method	400w straight halogen lamp heating system with SRA filter and SHS weighing technology
Max. Sample Weight Capacity	51g

Weight Resolution	0.001g
Moisture Content Display	0.01%/0.1%
Moisture Content Accuracy (standard deviation) Over 1g 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 less than 85% RH
GLP/GMP/ISO	Available
Self Check Function	Standard
Communication Software	WinCT-Moisture standard
Sample Pan Size	Ø85mm
Power	AC 200V to 240V(1.5A), 50Hz, Approx., 400W
Physical Dimension/Weight	215(W) x 320(D) x 173 (H) / Approx. 6kg
Standard Accessories: Sample Pans (Ø85mm), Sample Handles, Tweezers, Spoon, Test sample (30g Sodium Tartrate Dihydrate), CD-Room (WinCT-Moisture), Glass Fiber Sheet, RS-232C Cable, Display Cover, Dust Cover, Instruction Manual, Quick Reference Card, Power Cable, 2 Fuses.	

Specifications are subject to change for improvement without notice