



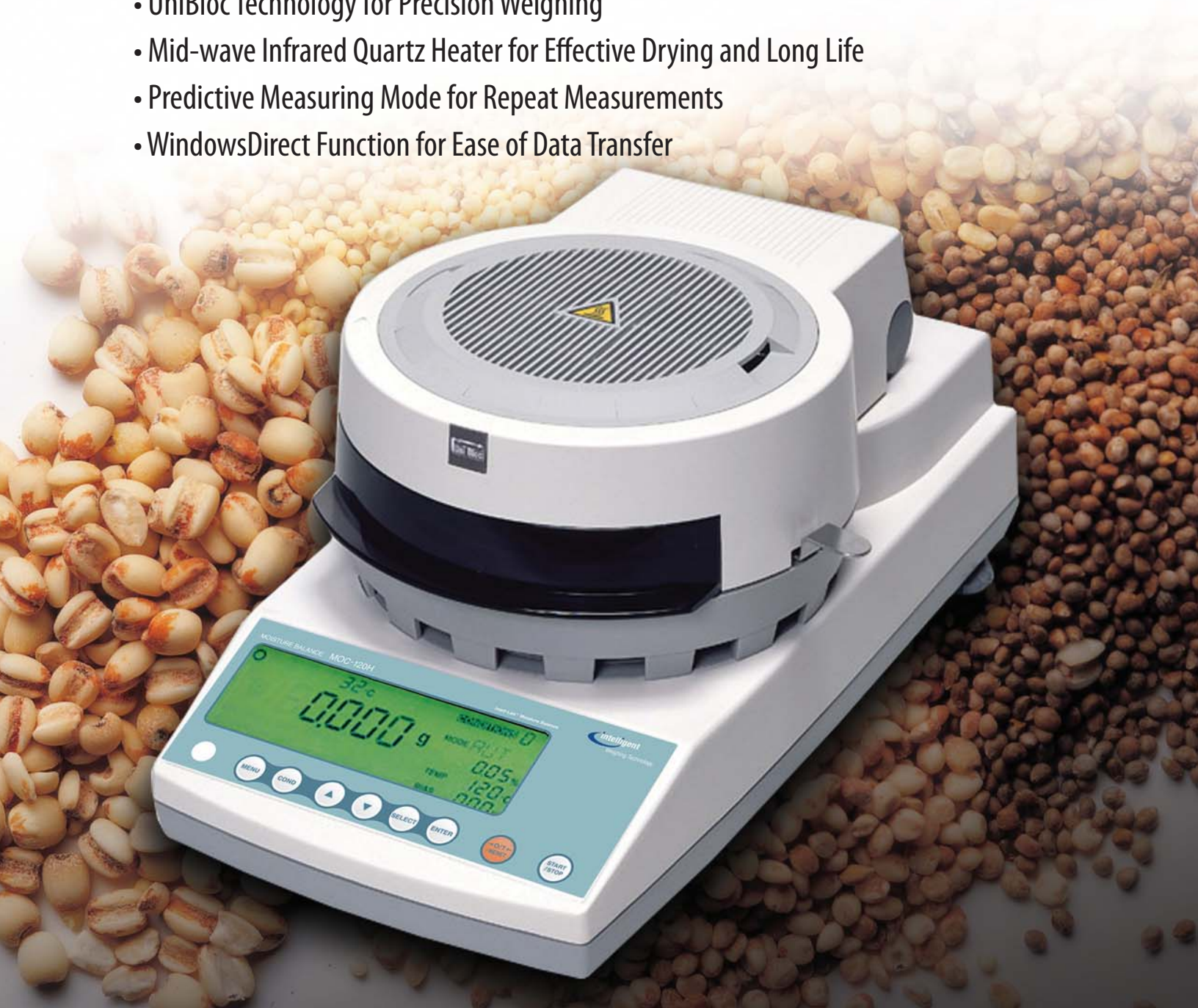
Weighing Technology

*A Higher Level of Precision...A Higher Level of Performance*



## Moisture Analysis Balance

- Large Sample Pan for the Best Drying Conditions
- UniBloc Technology for Precision Weighing
- Mid-wave Infrared Quartz Heater for Effective Drying and Long Life
- Predictive Measuring Mode for Repeat Measurements
- WindowsDirect Function for Ease of Data Transfer



*Manufactured by an ISO 9001 certified company*

Model	MOC-120H
Capacity	120 g
Readability	0.001 g / 0.01%
Minimum Load	1 g Recommended
Linearity	± 0.002 g
Repeatability (Std. Dev.)	± 0.001 g
Stabilization Time	≈ 3 seconds
Weighing Units / Functions	g / heat drying and weight loss
Measurement Modes	Automatic or timed ending modes, standard, rapid, slow and step drying modes, predictive measuring mode
Drying & Halting Modes	9 Drying or halting modes for optimum results
Stored Procedures	10
Heating Unit	Mid-wave infrared quartz heater
Temperature Range	+ 30° C to + 200° C (by 1° C increments)
Power Source	AC100 to 127 / 220 to 240 V, 640 W maximum
Display	Backlit LCD
Pan Size	5.1inches / 130 mm diameter
Dimensions (W x D x H)	8.7 x 16.3 x 7.5 inches / 220 x 415 x 190 mm
Operating Environment	+ 41° F to + 104° F / + 5° C to + 40° C, 85% RH or lower
Connectivity	RS 232C Interface, WindowsDirect
Calibration	External calibration
Net Weight	10 lb / 4.5 kg
Shipping Weight	15 lb / 6.8 kg
Standard Accessories	2 Sample pans, 2 Sample pan handlers, 20 Aluminum sheets, Spoon, Spatula



### Optional Peripherals

#### MOC Thermal Printer

- Tabular or graphic printout.
- Intermediate status and final results can be printed graphically.
- GLP/GMP/ISO calibration reports can also be printed.
- Includes connection cable and 1 roll of printer paper.
- AC adapter should be ordered separately.



#### Disposable Aluminum Pan Liners

- 500 per box



#### Thermometer



#### RS 232C Interface Cable

- Data can be sent without software using WindowsDirect





**Industries using moisture analysis:** pharmaceuticals, agriculture, food processing, textiles, chemicals, fertilizer, paper, construction, and many others

**Sample forms:** powder, particles, paste, liquid

**Sample materials:** Cereal, starch, flour, noodles, brewed products, seafood, meat products, spices, sweets, dairy products, vegetable oil, soil, ore, cokes, glass, cement, chemicals, fertilizer, paper, pulp, cotton, fibers

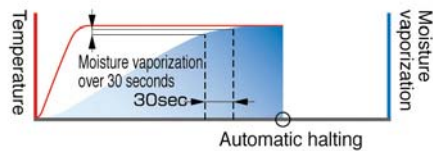
Most samples which vaporize only moisture and cause no hazardous reaction under heating can be measured.

## Choose the Best Measuring Mode for Your Application

### Ending Modes

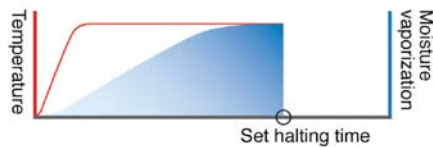
- **Automatic Ending Mode**

Automatically ends measurement when moisture loss over the previous 30 seconds becomes smaller than specified percentage.



- **Timed Ending Mode**

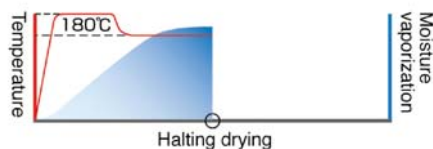
Automatically ends measurement when the specified amount of time has elapsed.



### Alternate Drying Modes

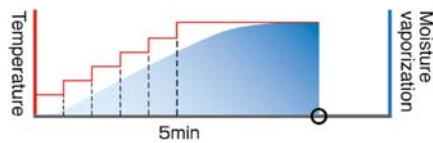
- **Rapid Drying Mode**

First dries with the highest temperature for the specified period, then shifts to the specified temperature shortening measurement time.



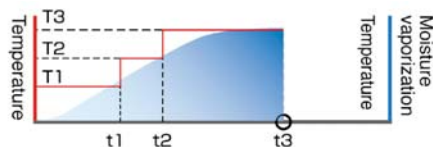
- **Slow Drying Mode**

Gently heats samples that might solidify at the surface or samples that reduce under high temperature.



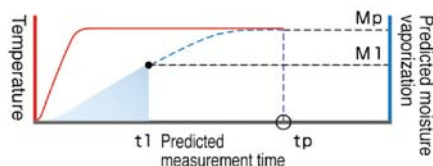
- **Step Drying Mode**

Allows step by step change of drying conditions. This feature is useful when measuring samples that contain a large amount of water.



### Predictive Measuring Mode

- With preparatory measurements of the sample, the final result is predicted from the drying process, saving time in repeated measurements.



Features	Benefits
Large sample pan and capacity	Allows large samples to be spread evenly in a thin layer which results in accurate and fast drying
UniBloc weighing mechanism	Provides excellent stability and a long operational life against repeated temperature changes
Unique auto-taring system	Ensures accurate measurements by eliminating zero drift continuously, even with a large sample pan
Mid-wave infrared quartz heater	Provides effective drying for a wide range of samples, as well as a long operational life of 20,000 to 30,000 hours. The long term operational cost is lower than halogen lamp heaters
Predictive measuring mode	The final result is predicted from the drying process, saving time in repeated measurements
Bias function	Allows adjustment to the data obtained by other measuring methods or other testers
WindowsDirect	Complete sample data and instrument settings can be directly typed into any application on Windows® without any additional interface software
Digital control	Allows a selection of measurement modes. Ten sets of measurement settings can be stored for quick recall. Nine combinations of drying and halting modes optimize the sample measurement
Bar graph display	Weight loss rate in the previous thirty seconds is monitored and visually presented in the bar graph for quick reference during the drying procedure. The bar graph gives you visual notice when the measurement is close to completion
RS 232C interface	Allows communication with peripheral data collection and printing instruments
Large, bright backlit LCD display	Easy to read in all lighting conditions including bright sunlight

\*Windows® is a registered trademark of Microsoft Corporation.

