



Electronic Moisture Balance MOC-120H

LINE ID: @neonics

ติดต่อบริษัท นี่โอนิคส์ จำกัด Tel: 098-479-5684 หรือ 061-8268939 E-mail: sale@tools.in.th เว็บไซต์ www.tools.in.th

00

INTER



MOC-120H

Accurate moisture measurement with new weight sensor



Features

- Large sample pan allows even a large amount of sample to be placed evenly in a thin layer. The result is accurate and fast measurements.
- 2 Mid-wave infrared quartz heater provides effective drying without interference for a wide range of samples. Besides the excellent drying performance, it offers a long operational life of 20,000 to 30,000 hours.
- 3 The internal precision weighing balance is engineered with a Shimadzu UniBloc cell. The mechanism provides excellent stability and a long operational life against repeated temperature changes.
- Digital control allows a selection of measurement modes. 10 sets of measurement settings can be stored for quick recall. Select one of the 9 combinations of drying and halting modes to optimize the measurement of your sample.
- 5 Weight loss rate in the previous thirty seconds is monitored and visually presented in the bar graph display. This feature is especially useful to show that the measurement is close to completion.

6 Shimadzu's unique WindowsDirect function is standard. Measurement data can be sent to an application such as Excel® without any software installation to the computer. All you need to add is an RS-232C cable.

If you'd like to use "WindowsDirect" with "Windows 7", "Windows Vista", or a USB port, please contact our distributors.

- 7 A larger sample pan contributes to accurate measurements, but the larger heat capacity normally produces larger zero drift due to temperature fluctuation. The MOC-120H is equipped with a unique auto-taring mechanism, which adjusts the zero drift automatically and ensures high accuracy, even with a larger sample pan.
 - Bias function allows adjustment to the data obtained by other measuring methods or other testers.

8

9 Large backlit LCD is easily read even under poor lighting conditions.

ติดต่อบริษัท นีโอนิคส์ จำกัด Tel: 098-479-5684 หรือ 061-8268939 E-mail: sale@tools.in.th เว็บไซต์ www.tools.in.th

Choice of measuring modes meets 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.













What is moisture

makes it visible. (Figure 1)

Bar graph display monitors moisture vaporization

Bar graph display



Figure 2

Data output with the optional printer

• Example of print out in the graph output mode



Different forms of samples can be measured.

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



Various materials can be measured.



Cereal, starch, flour, noodles, brewed products, sea foods, meat products, spices, sweets, diary products, vegetable oil, soil, ore, cokes, glass, cement, chemicals fertilizer, paper, pulp, cotton, fibers.

Meets demands of various industries and fields

Pharmaceuticals, agriculture, food processing, textiles, chemicals, fertilizer, paper, construction.



ติดต่อบริษัท นีโอนิคส์ จำกัด Tel: 098-479-5684 หรือ 061-8268939 E-mail: sale@tools.in.th เว็บไซด์ www.tools.in.th

Specifications

Model (P/N)	MOC-120H (321-63300-10)
Measuring method	Heat drying and weight loss
Sample pan size	130 mm dia
Minimum display in weighing	0.001 g
Measurement range of moisture content	0.01% to 100.00%
Moisture content minimum display	0.01%
Sample capacity	120 g
Measurement modes	Automatic or Timed ending modes, Standard, Rapid, Slow and Step drying modes, Predictive Measuring mode
Drying heater	Mid-wave infrared quartz heater
Setting temperature range	30 to 200°C by 1°C increments (Sample position temperature)
Dimensions	220W × 415D × 190H (mm)
Weight	4.5 kg
Operational temperature and humidity range	5 to 40°C, 85% RH or lower
Power requirements	AC 100 to 120 / 220 to 240 V, 640 W maximum
Standard accessories	Sample pan 2 pcs, Sample pan handler 2 pcs, Aluminum sheet 20 pcs, Spoon, Spatula
Stored procedures	10

Peripherals, Accessories

Electronic Printer (w/o AC adapter)

AC Adapter for Electronic Printer 230 V

GLP/GMP/ISO conforming calibration report can be produced. Intermediate status and final results of measurements can be printed out graphically.

(Includes connection cable, printer paper 1 roll. AC Adapter should be separately ordered.)

Temperature Calibration Kit

For temperature calibration at sample position, with calibration report.

RS-232C cable

For connecting with computer. Data can be sent without software (WindowsDirect).

Consumables, Supplies

Aluminum sheet 500 pcs

Printer paper for optional electronic printer 10 rolls

In use protection cover (1 pc as standard)

A Safety Precautions

Read Instruction manual and understand before use of this instrument.

- Use this instrument for measurements in which water vaporizes from the sample under heating.
- The temperature of the heater installed in this instrument becomes higher than the set heating temperature for the sample.
- Any sample that is explosive, inflammable or may cause hazardous reaction under heating must not be measured with this instrument.

LINE ID: @neonics



ติดต่อบริษัท นึโอนิคส์ จำกัด Tel: 098-479-5684 หรือ 061-8268939

E-mail: sale@tools.in.th เว็บไซต์ www.tools.in.th



Shimadzu Corporation

disclaims any proprietary interest in trademarks and trade names other than its own. For Research Use Only. Not for use in diagnostic procedures.

Company names, product/service names and logos used in this publication are trademarks and trade names of Shimadzu Corporation or its affiliates, whether or not they are used with trademark symbol "TM" or "®". Third-party trademarks and trade names may be used in this publication to refer to either the entities or their products/services. Shimadzu

For Research Use Only. Not for use in diagnostic procedures. The contents of this publication are provided to you "as is" without warranty of any kind, and are subject to change without notice. Shimadzu does not assume any responsibility or liability for any damage, whether direct or indirect, relating to the use of this publication.