

Mead MD-100A Moisture Analyzer



Brand Advantage

- The sensor weighing system has participated in many national projects;
- The sensor adopts electromagnetic force sensor, the weighing accuracy and repeatability are much better than strain sensor;
- Has a large number of moisture testing solutions;
- To provide you with professional moisture content solutions: online measurement, rapid measurement, trace moisture detection.

Feature

- ✧ The Meade Halogen Moisture Meter uses high-quality ring-shaped halogen lamps instead of infrared lamps for heating, which makes the heating surface uniform and greatly improves the measurement efficiency.
- ✧ The quartz glass with high light transmittance is installed under the halogen lamp to make the product more evenly heated and protect the halogen lamp at the same time.
- ✧ Instead of the oven method, most samples can be measured within a few minutes, which greatly improves the measurement efficiency.
- ✧ The weighing accuracy and stability of the electromagnetic force sensor is much higher than that of the strain sensor, making the measurement result more accurate. The highest precision of the electromagnetic force sensor can be 0.1mg.
- ✧ A variety of measurement methods for your choice. You can start the automatic judgment of the end point with one key, and you can also use the timing measurement mode.
- ✧ The temperature sensor adopts high-precision ultra-fine platinum rhodium temperature sensor.
- ✧ The real-time display of the six-segment curve can judge the change of moisture at different times.
- ✧ RS232 data interface, can be connected to thermal printing, computer, PLC; can

also be upgraded to MUDBUS-RTU protocol. (customizable)

- ✧ Reusable stainless steel weighing pan is used, and disposable aluminum pan can also be used.
- ✧ Special exhaust and heat dissipation system design, fast heat dissipation.
- ✧ Visual design, beautiful and generous, can observe product changes in real time during the measurement process.

Applications

Moisture analyzer is designed for quick and reliable determination of the moisture content of liquids, pastes and solids using the thermogravimetric method. Typical areas of application for halogen moisture analyzer include testing of foods, beverages, pharmaceuticals, chemicals, sugar, paper materials and products for environmental protection.

- Hot-selling industries: food industry, feed industry, plastic industry, lithium battery industry, paint industry, additive industry, sludge environmental protection, ceramic metallurgy, pharmaceutical intermediates.
- Plastic industry: ABS, PP, PE, TUP, PA66, PVC, nylon, PBT plastic film, calcium powder.
- Lithium battery industry: battery positive and negative plates, battery slurry, battery powder.
- Food industry: cakes, bread, noodles, ice cream, dehydrated vegetables, food fillings, food additives, corn soybeans, wheat, dried fruits, candy, broad beans, meat.
- Other industries: salt bath, wood cutting mushrooms, seeds, paper, etc.

Standard

AATCC 199 Drying time of Textiles : Moisture Analyzer Method

ASTM D6980 Standard Test Method for Determination of Moisture in Plastics by Loss in Weight

JIS K 0068 Test Methods for water content of chemical products

ISO 15512 Plastics – Determination of water content

ISO 6188 Plastics – Poly(alkylene terephthalate) granules – Determination of water content

ISO 1688 Starch – Determination of moisture content – Oven-drying methods

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Technical Parameter

Model	MD-100A
Principle	Loss on drying
Weighing Capacity	120g
Weighing Accuracy	0.0001g
Readability	0.001%
Load Cell	Electromagnetic force sensor
Calibration Method	External weight calibration (100g weight)
Heating Method	Ring halogen lamp heating
Heating Power	500W
Heating Temperature Range	40°C-200°C
Temperature Readability	1°C
Temperature Sensor	High precision ultrafine platinum rhodium temperature sensor
Results Show	Moisture content, solid content, weight after drying, real-time temperature, graph
Shutdown Mode	Automatic, Timing, Manual
Set Time	0~99 minutes (interval 1 minute)
Sample Pan	Φ102mm stainless steel sample pan. You can also choose a disposable aluminum plate
Display	LCD liquid crystal display
Communication Interface	Thermal printing (directly print out the moisture content and solid content); Standard RS232 communication interface, which can be connected to printers, PCs and other peripheral devices;
Voltage	220V, 50Hz / 110V, 60Hz
Size	310*200*205mm
N. W.	4.2 kg

Product Details Display



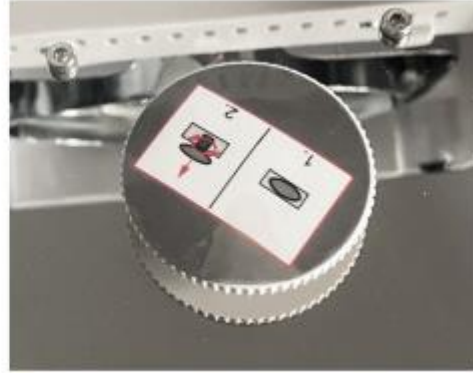
Sample Pan



Halogen Lamp



Sensor



Sensor Protection Device

Parts List

No.	Name	QTN	Unit
1	Moisture Analyzer	1	Set
2	Stainless Steel Windproof Plate	1	Pcs
3	Weighing Stand	1	Pcs
4	Sample Pan Holder	1	Pcs
5	Stainless Steel Sample Pan	2	Pcs
6	100g Calibration Weight	1	Pcs
7	Manual	1	Copy
8	Certificate/Warranty Card	1	Copy
9	Power Cable	1	Pcs