

DX-120X Solid Density Balance

Solid density balances use the principle of buoyancy to calculate the density of a sample by measuring its weight in air and in water. The instrument has a wide range of uses and can quickly measure the density of various solid products.

The solid density meter uses gold-plated ceramic sensor technology to weigh samples, which has the advantages of good stability and accurate weighing. The instrument uses water as the medium, which is convenient and expands the usage scenarios of the instrument. It can be used in any wind-free, vibration-free and stable environment.



Features:

- ✧ Fool-like operation, fast and convenient. Just measure the weight of the sample in air and water, and the instrument will automatically calculate the density of the sample.
- ✧ The appearance is creative and trendy, the whole machine has outstanding texture, rigorous and exquisite craftsmanship.
- ✧ The product is small in size, takes up no space and is easy to carry.
- ✧ It adopts gold-plated ceramic sensor technology with high sensitivity and stability, and has good weighing performance.
- ✧ It adopts an integrated transparent measuring water tank, which is corrosion-resistant.

Technical Parameter

Model	DX-120X
Max Weight	120g
Weight Accuracy	0.001g
Density Resolution	0.0001g/cm ³
Measure Weight	>5g
Measurement Types	particles, sheets, floating
Measuring Time	About 10s
Parameter Setting	Water temperature setting, measuring medium density setting
Windshield	Fully transparent acrylic windshield, the sample is 100% visible
Communication Interface	RS232 standard communication interface, which can be connected to printers, PCs and other peripheral devices
Voltage	AC100-240V-50/60HZ , DC 7.5V 600mA
Measuring Water Sink	165*115*85mm
Packaging Size	450*240*460mm
Product Size	270*270*270mm
Weight	7.5kg
Standard Accessories	①Main unit ②Sink ③Measuring table ④Tweezers ⑤Instruction manual ⑥weight ⑦Dust cover ⑧Anti-floating frame ⑨ Power supply
Optional Accessories	Printer x1 (normal model) or Printer x2 (with time function)

Measurement Steps

- 1、 Put the sample into the measuring table, measure the weight in the air, and press the M key to remember.
- 2、 Immerse the sample completely in water, measure the weight of the water, press the M key to memory, and directly display the density value.

Reference International Standards

ISO 10545-3:2018 Ceramic tiles Part 3: Determination of water absorption, apparent porosity, apparent relative density and bulk density

ASTM D792-20 Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement

ASTM D297-15 Standard Test Methods for Rubber Products – Chemical Analysis

ISO 2781-2018 Rubber, vulcanized or thermoplastic – Determination of density