

DX-100E 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.

DX-100E solid density balance uses electromagnetic force sensor 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 electromagnetic force sensor with high sensitivity and stability, and has good weighing performance.
- ✧ It adopts an integrated transparent measuring water tank, which is corrosion-resistant.
- ✧ standard RS232 data output feature, easy to connect PC and printer. ;
- ✧ automatic zero tracking, buzzer alarm, overload alarm function
- ✧ blue backlight LCD;

Technical Parameter

Model	DX-100E
Max Weight	120g
Weight Accuracy	0.0001g
Density Resolution	0.0001g/cm ³
Measure Weight	>0.5g
Measurement Types	particles, sheets, floating
Measuring Time	About 10s
Parameter Setting	Water temperature setting, measuring medium density setting
Windshield	Fully transparent glass 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)

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

ISO 3369 Impermeable sintered metal materials and hardmetals – Determination of density

ISO 1183 plastics – Methods for determining the density of non-cellular plastics – Part 1: immersion method, liquid pycnometer method and titration method