

精密陶瓷孔隙率與體積密度測試儀

Porosity and Bulk Density Tester for Fine Ceramic

KBD-120C/1200CN KBD-300C/600C

適用於：精密陶瓷工業、新材料研究單位。

Suitable for: Fine Ceramic industry, New Material Research institutes.

原理：根據GB/T2413、1966、2834、ASTM C20/C134/C373/C329、EN-725可適用於煮沸法、真空飽和法、封蠟法量測，依據阿基米德原理浮力法，快速讀取量測數值。

Principle: In accordance with GB/T2413、1966、2834、ASTM C20/C134/C373/C329、EN-725, and by adopting the buoyancy method of Archimedean principle, the boiling water method, wax-sealing method and vacuum saturation method can be chosen to use, it can show the measuring result accurately.



KBD-120C/KBD-1200CN功能：

- 模式1、針對吸水性的陶瓷產品，可直接讀取體密度、濕密度、視密度、吸水率、視孔隙率、開孔體積、封孔體積、總孔隙率。
- 模式2、封蠟法可直接讀取體密度。
- 模式3、針對不吸水的陶瓷產品，可直接讀取產品的密度和體積。

KBD-300C/600C功能：

- 模式1、針對吸水性的陶瓷產品，可直接讀取體密度、視密度、濕密度、視孔隙率、吸水率。
- 模式2、封蠟法可直接讀取體密度。
- 模式3、針對不吸水的陶瓷產品，可直接讀取產品的視密度。

★採用大水槽設計，降低吊欄線的浮力所造成的誤差。水槽尺寸150x100x90mm，KBD-1200CN可依樣品長度訂製合適的水槽。

型號 Model	KBD-120C	KBD-1200CN	KBD-300C	KBD-600C
秤重範圍 Weighing Range	0.001g~ 120g	0.01g~ 1200g	0.01g~ 300g	0.01g~ 600g
密度精度 Density Precision	0.0001 g/cm ³	0.001 g/cm ³	0.001 g/cm ³	0.001 g/cm ³
設定 Settings	溫度補償設定、溶液補償設定、封蠟法蠟密度設定 Settings of water temperature and solution compensation, density setting when using wax-sealing method			

Functions:

- For permeable ceramic products, KBD-120C/1200CN series can directly show the bulk density, wet density, apparent density, apparent porosity, water absorption, volume of open pores, volume of closed pores, total porosity; KBD-300C/600C series can directly show the bulk density, apparent density, wet density, apparent porosity, water absorption.
- For impermeable ceramic products, KBD-120C/1200CN series can show density and volume; KBD-300C/600C series can show apparent density directly.
- The bulk density can be showed by using wax-sealing method.
- It has the function of water temperature and solution compensation setting.
- The machines can be connected to the PC or printer by RS-232.
- By adopting the design of big tank, it can decrease the inaccuracy caused by supporting wire's buoyancy.
- Standard size of water tank: 150X100X90mm.
- The water tank length of KBD-1200CN can be customized according to the customers' demand.