

骨材混凝土體積密度測試儀

Bulk Density Tester for Aggregate Concrete

KBD-120N/1200NN KBD-300N/600N

適用於：建築業、土木工程業、混凝土配比研究實驗室。

Suitable for: Building Industry, Civil Engineering Industry and Concrete mixture ratio research lab.

原理：根據ASTM C39、ASTM C128、ASTM C127、AASHTOT 84、JIS、GB/T23561規範。採用阿基米德浮力法，應用真空飽和法、煮沸飽和法、粒子浸漬法的操作、快速讀取量測數值。

Principle: According to the standards of ASTM C39, ASTM C 128, ASTM C 127, AASHTOT 84, JIS, GB/T23561, and by adopting the buoyancy method of Archimedeian principle, it can show the measuring result rapidly by applying vacuum saturation method, boiling saturation method and pellet immersing method.



KBD-120N/1200NN功能：

- 模式1、直接讀取乾體密度、SSD密度、視密度、視孔隙率、吸水率、開孔體積、封孔體積、總孔隙率。
- 模式2、直接讀取不吸水產品的密度和體積。
- 模式3、直接讀取微小骨材粒子的真密度。

KBD-300N/600N功能：

- 模式1、直接讀取乾體密度、SSD密度、視密度、視孔隙率、吸水率。
- 模式2、直接讀取微小骨材粒子的真密度。

★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-1200NN可依樣品長度訂製合適的水槽。

型號 Model	KBD-120N	KBD-1200NN	KBD-300N	KBD-600N
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 Settings of water temperature and solution compensation			

Functions:

- For testing permeable products, KBD-120N/1200NN series can directly show the dry bulk density, SSD density, apparent density, apparent porosity, water absorption, volume of open pores, volume of closed pores, total porosity. KBD-300N/600N series can directly show dry bulk density, SSD density, apparent density, apparent porosity, water absorption.
- For impermeable products, KBD -120N/1200NN series can directly show the density and volume.
- Can directly show the true density of small aggregate pellet by purchasing professional pycnometer.
- The machines have 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-1200NN can be customized according to the customers' demand.