

木材基本密度、氣乾密度測試儀

Lumber Basic Density, Air-dried Density Tester

KBD-120W/1200WN KBD-300W/600W

適用於：木材、土木裝潢業、森林業、新材料研究實驗室。

Suitable for: Lumber, Construction industry, Forestry, New material research lab.

原理：根據GB/T1933、ASTM、JIS、ISO標準。可適用於煮沸飽和法、真空飽和法、封蠟法量測，採用阿基米德原理浮力法，直讀量測數值。

Principle: According to ASTM, GB/T1933, JIS, ISO 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 and fast.



KBD-120W/1200WN功能：

- 模式1、木材基本密度使用煮沸法或真空飽和法，直接讀取體密度、濕密度、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、木材氣乾密度測試使用封蠟法可直接讀取體密度。
- 模式3、選購專用比重瓶，可讀取木材細胞體密度。
- 模式4、針對不吸水的木材產品，可直接讀取產品的密度和體積。

KBD-300W/600W功能：

- 模式1、木材基本密度測試可使用煮沸法、真空飽和法，可直接讀取體密度、視密度、濕密度、視孔隙度、吸水率。
- 模式2、木材氣乾密度測試使用封蠟法可直接讀取體密度。
- 模式3、針對不吸水的木材產品，可直接讀取產品的視密度。
- 模式4、選購專用比重瓶，可讀取木材細胞體密度。

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

型號 Model	KBD-120W	KBD-1200WN	KBD-300W	KBD-600W
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:

- Boiling method, vacuum saturation method can be applied for testing the basic density of wood, KBD-120W/1200WN series can show bulk density, wet density, apparent density, apparent porosity, water absorption, volume of open pores and closed pores, total porosity; KBD-300W/600W series can show the bulk density, apparent density, wet density, apparent porosity, water absorption.
- For testing air-dried density of wood, the bulk density can be showed directly by applying wax-sealing method.
- For non-absorbent wood products, KBD series can show the density and volume of the products; KBD series can show apparent density.
- By purchasing professional pycnometer, it can show wood cell bulk density.
- The machines have the function of water temperature and solution compensation setting, and wax density setting when using wax-sealing method.
- 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-1200WN can be customized according to the customers' demand.