

粉體真密度、液體密度測試儀 KBD-120TL

Powder True Density Tester

粉末材料測試領域

適用於：硫化橡膠、非泡沫塑料、炭素真密度、岩石、煤真密度、瀝青焦真密度、普通磨料密度、顏料密度、固體和半固體石油瀝青密度、水泥粉末、防火材料、陶瓷材料、天然石材、水煤漿密度、炭素材料真密度煮沸法、土壤真密度測試法、離子樹脂濕真密度、離子樹脂濕真密度、粉末真密度研究實驗室。

Suitable for: Vulcanized rubber, Non-foam plastic, Carbon true density, True density of rock or coal, Pitch coke true density, Abrasive materials true density, Pigment density, Solid and half-solid asphalt density, Cement powder, Refractory materials, Ceramic, Natural stone, Water-coal-slurry density, Carbon materials true density by using boiling method, Soil true density, Ion resin wet true density, Powder true density research lab.

原理：根據GB/T533-A、GB/T1033.1、GB/T6155、GB/T23561、YB/T5300、JB/T7984.3、GB/T 1713、GB/T8929、GB/T1713、GB/T208、GB/T5071、QB/T1010、GB/T9966、GB/T18856、GB/T24203、GB/T8330、SL-237等。應用阿基米德的浸漬體積置換法，配合專用比重瓶，準確的讀取量測數值。

Principle: According to the standards of GB/T533-A, GB/T1033.1, GB/T6155, GB/T23561, YB/T5300, JB/T7984.3, GB/T 1713, GB/T8929, GB/T1713, GB/T208, GB/T5071, QB/T1010, GB/T9966, GB/T18856, GB/T24203, GB/T8330, SL-237, and by adopting the immersed volume displacement method of Archimedean principle, and cooperated with pycnometer, it can show the measuring result directly!

型號 Model	KBD-120TL
秤重範圍 Weighing Range	0.001g-120g
密度精度 Density precision	0.0001 g/cm ³



功能：

★ 模式1：可直接讀取粉體、粒狀真密度。

★ 模式2：可讀取媒介液體的比重、濃度。

注意事項：

- 浸液法中，選擇不溶解試樣且易潤濕的試樣時，顆粒表面的液體是十分重要的。
- 對於陶瓷原料如長石、石英和陶瓷製品，一般可用蒸餾水作為液體介質。
- 對於水泥則可用煤油或二甲苯等有機液體介質。
- 對於無機粉體一般選用有機溶劑。
- 當粉末完全浸入液體，必須完全排除其氣泡，才能確定其所排除的體積。
- 用瓷研鉢將試樣研磨成粉末，並通過240目標準篩，將粉樣裝入稱量瓶中，放入105°C紅外線水份計內烘乾，取出，稍冷，放入乾燥器內冷卻到室溫。

Functions:

★ Mode1: Can show powder, pellet true density directly.

★ Mode2: Can directly show the density, concentration of solution.

Notices:

- Under immersed method, choosing the liquid which can not dissolve but can moisture the sample surface is important.
- For ceramic materials, such as feldspar, quartz and ceramic products, distilled water can be used as liquid medium.
- For cement material, kerosene or xylene and other organic liquid can be used as testing medium.
- For inorganic powder, organic liquid also can be chosen.
- The bubbles need to be removed when powder immersed in the liquid totally, then the excluded volume can be confirmed.
- By using porcelain mortar to rub powder and filter it by 240 mesh sieve, then put the powder in the weighing bottle, and dry it by moisture meter under 105°C, take out and cool it to room temperature in desiccator.