

**Product Name :**  
Bulk Density Apparatus

**Product Code :**  
ELABANALYTICAL0013



## Description :

Bulk Density Apparatus

## Technical Specification :

Extremely useful for Pharmaceutical Lab  
Highly Accurate and Easy to Operate  
Microcontroller Based Digital Display  
Soft Touch Membrane Keys  
3 LED's for status Indication  
Audible Alarm Sound  
Last Count Retention on Power Failure

Bulk Density Apparatus is a specially designed to study the packing down of powder beds of different pharmaceutical and chemical powders, flakes, pellets, granules and other bulk substances. Bulk Density is an essential test required in the process of tablet, capsule filling and cosmetic manufacturing

The system is equipped with microcontroller based digital display for displaying accurate and exact stroke count and soft touch membrane type keys for ease of operation. The system has 'SET', 'UP' and 'DOWN' keys, for setting the total number of required strokes (Set Count) for the current measurement session.

User can set to any number of required strokes within the range from 1 to 9999 counts. The system automatically stores

the last 'Set Count' value which is retained in the memory even when the instrument is switched off.

Each stroke count is displayed on the 4 digit seven segment bright red LED display on the front panel.

A common lock cushioned holder for both the cylinders drops down smoothly from the height and holds the

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cylinders.

The Up/Down (i.e. Tapping) movement of the cylinders stop automatically at the 'Set Count' value.  
An audible alarm sound indicates that the current measurement session is over.

In case of power failure, the last counts are retained and the instrument starts counting automatically from the point of power failure.

The instrument uses the latest microprocessor technology and advanced engineering techniques so as to give enhanced accuracy and reproducibility.

Display: 4 Digit 7-Segment Red LED

Keyboard: 6 Soft Touch Membrane Keys

Cylinder: 2 Nos., 50/100 ml Cylinders

Drop Height: 25 mm (Approx.)

Power: 230 V  $\pm$  10% AC, 50 Hz.

Dimensions: 600 x 450 x 200 mm (Approx.)

Accessories: 50 ml Cylinders - 2 Nos., Instruction Manual & Dust Cover

 **LAB ENGINEERING**

**Elab Engineering Equipments Manufacturers**