



SMART INSTRUMENTS COMPANY PVT. LTD.



SMART TAP 40
TAP DENSITY METER

The bulk densities of powdered, granular or flaked material are dependent on the manner in which the powder is packed together. This parameter is very important in packing the material. During tapping of the sample, the smaller particles try to fit themselves in gaps of the larger particles and hence the total volume of the powder reduces.

Smart Tap 40, Tap density meter used to measure the tap density of any powder.

Sample is placed in the graduated glass cylinder of 100 ml capacity and is mounted on the platform designed to keep the same. Snap fit arrangement holds the cylinder in perfect position. Rotation of the platform while tapping helps to keep the powder level in flat position for reading. To ensure the free drop of the cylinder from the required height, the holder is provided with friction free bearing.

Before starting the tapping, initial volume and weight of the material is noted. After that the tapping counts is been set with the help of the counter from 1 to 9999 counts. Then tapping is started. After reaching the set counts, automatically the tapping stops and we have to note the final volume. With the help of the final volume and weight of the sample, the tap density is calculated.

Features :

- Complies with USP and ASTM specifications
 - Supports USP II test method
 - Provided with glass sample holder of 100 ml cylinder
 - Easy snap fit arrangement for sample holder
- 4 Simultaneous rotating & tapping motion assures evenly packing of sample
- Easy to operate

Specification:

Test Method	: USPII
No. of Stations	: 1
No of Strokes/ min	: 250 ± 2 drops/ min
Drops Height (mm)	: 3 ± 0.3
Tap Count Range	: 1-9999
Sample Holder Capacity	: 100ml readable upto 1ml
Power Supply	: 230V AC, 50Hz
Dimensions	: 26cm(L) x 26cm(D) x 20 cm(H)
Weight	: 6 Kg. (Approximate)

Application:

Useful in Density Measurement of Pharmaceuticals, Minerals, Pigment, Metal Powders, Catalysts, Coffee/Tea and Many More.

Our Other Product Range

- BET Surface Area Analyser
- True Density Meter
- Digital Gas Flow Meter

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