



# AS-100

## TAP DENSITY TESTER

This instrument serves thousands of users around the world.

- USP,ASTM,ISO,EP
- Accurate printed results in seconds
- Non-destructive analysis
- Built-in printer
- Direct height transfer
- Rugged design
- LED & Membrane panel operation

AS-100  
serve world

Tapped density is obtained by mechanically tapping a graduated measuring cylinder or vessel containing a powder sample. After observing the initial powder volume or weight, the apparatus measuring cylinder or vessel is mechanically tapped, and volume or weight readings are taken until little further volume or weight change is observed. The mechanical tapping is achieved by raising the cylinder or vessel and allowing it to drop under its own weight a specified distance by either of three methods as during tapping may be preferred to minimize any possible separation of the mass during tapping down. 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.

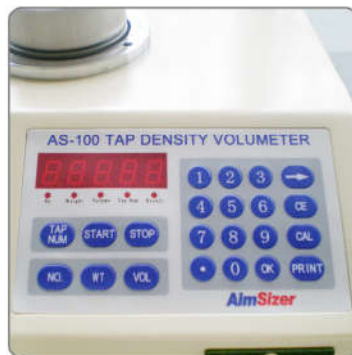
AS-100 [Tap Density Tester](#) is an instrument used to measure the tapped density of

Powder materials,  
Granulated materials,  
Flaked materials.

- Pharmaceuticals
- Metal Powders
- Pigments and Extenders
- Formed Catalysts
- Fine Catalyst
- Milk
- Coffee
- Uranium Dioxide
- etc



Integrated Printer



LED & Membrane Panel



Speed Adjustment

### Specifications

- Number of Strokes: 1-99,999
- Integrated Micro Printer
- LED Monitor
- Membrane Function Keypad
- Speed: 300/250 tap/min
- Drop Height: 3 mm/14 mm
- 1/2 Stations
- Accuracy: 1 tap of 10,000 taps
- Power: 220/110V 50/60Hz
- Size: W33.5\*D31\*H22.5 cm
- Net Weight: 14/18 KGS

### Features

- Drop Height-Easily Adjustment  
The drop height is important for a tap density tester in order to meet different international standards. AS-100 Tap Density Tester uses default 3 mm height and patented tapping washers in specific height to reach 14 mm. They change easily without opening the cover.

- Working Panel-Intuitive  
The intuitive LED and membrane working panel brings operator an easy and fast operation. Accurate to 4 decimals. Automatically saving all test information. Operator simply inputs the desired data and press start to test.

- Rpm-Easily Adjustment  
The rpm is also important for a tap density tester. AS-100 uses a speed control to realize 250 rpm and 300 rpm. The motor is default 300 rpm, just tune the knob and reach the right percentage to shift to 250 rpm.

- Analysis Results-Easily Printed  
Integrated micro printer prints the test data after test including Sample No, Weight, Volume, Tap Number, Tap Density and Operator.

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