

## TAP DENSITY TESTER



Tap density tester is designed to **measure the tapped volume and/or density of powders, granules** and other similar products.

Tap density tester comes with **two tapping position for 14mm and 3mm with cylinder holders** which hold 100ml and 250ml glass cylinders.

This instrument **calculates Tapped Density, Compressibility Index, Hausner Ratio and Bulk Density.**

The unique design of the tap density tester enables **simultaneous tapping and rotating motion.**

The tap density tester can be **connected to a balance for sample weight transfer or a PC** to download the methods. Other accessories like 50ml and 25ml volume glass cylinders are also available

### SPECIFICATIONS:

- 1) **Test Method:** USP Method I (300 Taps per Minute)  
USP Method II ( 250 Taps per Minute)  
USP Method III (55 Taps per Minute) & ASTM (Optional)
- 2) **Tap Count Range:** 10-9999
- 3) **Type of Drive:** Direct Drive with Stepper Motor
- 4) **Drop Height:** Position I=  $14 \pm 2\text{mm}$   
Position II=  $3 \pm 0.2\text{mm}$
- 5) **Platform Rotation:** 5 - 15 Rotation per minute
- 6) **Display:** 20 X 2 Line Back Lighted LCD
- 7) **Keyboard:** Alphanumeric Splash water proof polyester soft keys
- 8) **Operating Modes:** USP, User Selectable
- 9) **Output Printer:** Parallel Port
- 10) **RS 232:** PC Connectivity for Data Download
- 11) **Cylinders:** 1 Each, 100 ml & 250 ml  
**Optional Cylinders:** Glass for ASTM Test: 10 ml, 25ml & 50 ml  
Glass for USP III: 100 ml SS Cylinder
- 12) **Cylinder Holder:** 1 Each for 100 ml & 250 ml  
**Optional Adapters:** For ASTM Test: 10 ml, 25 ml & 50 ml  
For USP III: 100 ml SS Cylinder
- 13) **Power Requirement:** 230VAC/50 Hz, 45W
- 14) **Environmental Operating Conditions:** Operating Indoor  
Temperature Ambient to 45C  
Humidity 20% to 80%
- 15) **Dimension Approx:** 340 X 310 X 200 mm (W X D X H)