

TAP DENSITY TESTER



Model: TD 1025

Labindia has designed Tap Density Tester, to measure the tapped density of powders, granules and similar products. The tester offers a standardized and repeatable method of measuring tapped volumes of powders. The unit provides users friendly operation.

Salient Features

- Designed to meet current USP and ASTM specifications for tap density testing
- Two Tapping Positions for 14mm and 3mm respectively with cylinder holders to hold 100 ml and 250 ml cylinders.
- The unique simultaneous tapping and rotating motion assures that the material is evenly packed
- Calculates results - Tapped Density, Compressibility Index, Hausner Ratio and Bulk Density.
- Balance Interface for sample weight transfer

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SPECIFICATIONS

Sr. No.	Parameters	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) and ASTM (Optional)
2	Tap Count Range	10-9999
3	Type of Drive	Direct Drive with steeper motor
4	Drop height	Position I = 14, ± 2mm Position II = 3, ± 0.2mm
5	Platform rotation	5-15 rotation / minute
6	Display	20X2 Line back lighted LCD display
7	Keyboard	Alphanumeric splash water proof polyester soft keys
8	Operating Modes	USP, User selectable
9	Output Printer RS-232C	Parallel Port PC Connectivity for Data Downloading
10	Cylinders Optional Cylinder =	1 each, 100ml & 250ml, Glass. For ASTM test - 10mL, 25mL and 50mL, Glass For USP III :- 100mL SS cylinder
11	Cylinder Holder Optional Adapters =	1 each for 100 ml & 250 ml. For ASTM test - 10mL, 25mL and 50mL cylinder, For USP III :- 100mL SS cylinder
12	Power Requirement	230VAC / 50 HZ, 45W
13	Environmental Operating Conditions	a) Operation Indoor b) Temperature ambient to 45° C c) Humidity 20% to 80%
14	Dimensions (Approx)	34 X 31 X 20 cm (W X D X H)
15	Shipping weight (Approx)	13 kg

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LABINDIA reserves the right to change specifications without notice as part of its continuous programme of product development.