

TAP DENSITY TESTER

TD2025



Labindia's Tap Density Tester, measures 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.

FEATURES



7" TOUCH SCREEN

7 inch high quality Capacitive Color Touch Screen Display



IN-BUILT COMPUTER

100 Test Methods with date and time



BASIC CFR COMPLIANT

4 Level Password is incorporated - Admin, Lab Manager, Supervisor, and User

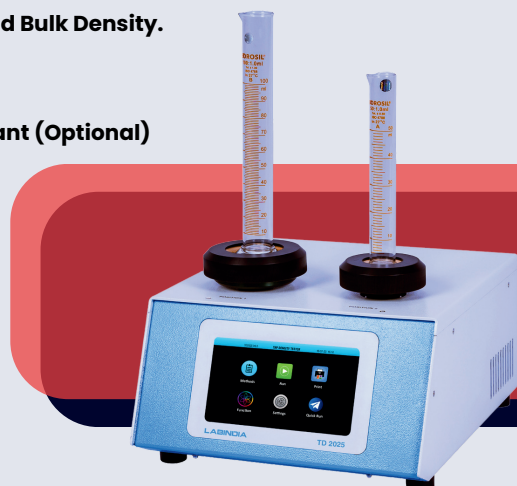


HARDWARE VALIDATION

Validation of hardware with real time status information

SALIENT FEATURES

- 7" Colour High resolution Display with Touch Screen Interface with User interactive software.
- 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.
- Built in 16 GB SD card (expandable up to 32 GB) for report data storage.
- Balance Interface for sample weight transfer.
- Low Volume Cylinder Adapters - 10 ml, 25 ml, 50 ml Cylinders - ASTM Compliant (Optional)
- 100 ml SS Cylinder - USP Method III (Optional)
- Customizable report file.
- Result preview before printing.
- Auto resume facility to continue the run-in case of short power failure.
- Data downloading facility with PC based EDC 21 software.
- Multilevel user management with editable privileges



SPECIFICATIONS

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
Tap Count Range	0-9999
Type of Drive	Direct Drive with stepper motor
Drop height	Position I = 14, ± 2mm Position II = 3, ± 0.2mm
Platform rotation	5-15 rotation/ minute
Display	7" capacitive touch screen colour display
Operating Modes	USP, User selectable
User management	1 admin, 50 users with multiple right selection
Number of Methods	100 test method non volatile memory storage
Report storage	Practically unlimited test reports with Date and time stamp
Printer connectivity	Centronics Parallel Port for Dot matrix/ desk jet printer
Serial Interface	a) RS232-1 for balance connectivity (Sartorius/Mettler)
Cylinders	b) RS232-2 for PC connectivity for data download
Optional Cylinder	1 each, 100ml & 250ml, Glass cylinder. For ASTM test - 10mL, 25mL, 50mL, 100 mL and 250 mL Glass cylinder USP III :- 100mL SS cylinder
Cylinder Holder	1 each for 100 ml & 250 ml.
Optional Adapters	For ASTM test - 10mL, 25mL, 50mL, 100mL and 250mL Glass cylinder, For USP III :- 100mL SS cylinder
Power Requirement	230VAC / 50 HZ, 45W
Environmental Operating Conditions	a) Operation Indoor b) Temperature Ambient to 45° C c) Humidity 20% to 80%
Dimensions (Approx)	310 X 380 X 230 mm (W X D X H)
Shipping weight (Approx)	12 kg
Real Time Clock	Yes