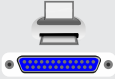## Tap Dense TD – 101

Tap Density Tester

TAP DENSE TD - 101 is a density measurement equipment used to measure tapped density of powders, as well as granulated or flaked materials by standardized and repeatable procedures. Instrument uses the latest microprocessor technology and advanced engineering techniques so as to give enhanced accuracy and reproducibility.

System is equipped with 4 line alphanumeric LCD display with backlit and 16 number of soft touch membrane type keys. The unit is provided with two motorized platforms which allow for 14 ± 2.0 mm drop height for the USP Method I version, and a 3 ± 0.3 mm drop height for the USP Method II version. The motorized platforms consist of two cylinder holders with snap-lock mechanism designed to hold 100 ml and 250 ml cylinders.

The simultaneous rotating and tapping motion minimizes any possible loss of mass during tapping down. The instrument stores the test parameters, readings and results simultaneously in the memory which are retained even after the power is switched OFF. Provision has also been made for attachment of a printer so as to provide hard-copy printouts of test data, including the time, date and calculated results.

Easy CAL	Password Secured	Dot Matrix printer	±0.03mm Accuracy

Salient Features:

- Extremely useful for pharmaceutical labs

- Microprocessor based, easy to use

- 20 x 4 line alphanumeric LCD display with backlit

- 16 Soft touch membrane type keys

- Tap Density, Initial Density, Compressibility Index

- Independent programmable setups for User & USP mode with storage

- Rs232 Printer attachment facility

- Automatically calculate result parameters like and Hausner Ratio

- Automatically stores last Result

- Power Failure detection facility

- User friendly operation with menus & current status indicators.

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SPECIFICATIONS

Test Methods	USP [USP-I, USP-II, USP-III], ASTM & User Selectable
No. of Stations	2
Keypad	Soft Touch Membrane Key and Alphanumeric Mobile Keypad
Display	20 x 2 Line back lighted LCD Display
Drop Height	Position 1 : 14 ±2mm Position 2 : 03 ±0.2mm
Taps/ Minute & Tap Height	USP I (300 taps per minute) & 14mm height or 250 taps/min with 3mm height USPII (250 taps per minute) with 3mm height USP III (55 taps per minute) and ASTM (100, 150, 200, 250, 300 taps per minute) with 3mm tap height
No. of Tap Counts	10 to 9999
Platform Rotation	5 - 15 rotation / minute
Type of Drive	Direct Drive With Stepper Motor
Weight Balance	Yes
PC Compatibility	RS-232 for Data Downloading
Printer	Parallel (80 Column Dot Matrix Printer)
Standard Accessories	Cylinder 100 & 250ml[1each], Cylinder Holders for 100 & 250ml[1each] and Cylinder Holder Removal
Environmental Operating Conditions	a)Operation Indoor b)Temperature Ambient to 45°C c)Humidity 20% to 80%
Dimensions	310 (L) x 300 (B) x 155 (H) mm
Weight	23.5 lbs / 10.7 kg
Electrical Power	230V ± 23V, 50 / 60 Hz or 115V ± 15V, 50 / 60 Hz

* Due to constant research and development, design and specifications may change without prior notice.

Spares For Tapped Density Model: TAP DENSE TD - 101

Cylinder Holder Big

Cylinder Removal tool

Cylinder Holder Small

Scientific Glass Graduated Cylinder
100 ml & 250 ml

Represented By :