



**Product Code . JA-TOBDA-2221**

## **Tap Density Tester**

### **Description**

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Tap Density Tester

#### **Features:-**

Complies with USP, IP specifications

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

Independent programmable setups for User & USP mode with storage

Printer attachment facility

Automatically calculate result parameters like Tap Density, Initial Density, Compressibility Index and Hausner Ratio

Automatically stores last Result

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## Power Failure detection facility

User friendly operation with menus & current status indicators.

Microprocessor Tap Density Tester 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  $14 \pm 2.0$  mm drop height for the USP Method I version, and a  $3 \pm 0.3$  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.

### Specifications:-

Test Methods	USP-I & USP-II
No. of Stations	2
Display	20x4 Alphanumeric LCD
Keyboard	16 Soft touch membrane keys, alphanumeric mobile keypad
Tap Height	USP-I: $14\text{mm} \pm 2\text{mm}$ , USP-II: $3\text{mm} \pm 0.3\text{mm}$
Taps/Minute	USP-I: $300 \pm 15$ , USP-II: $250 \pm 15$
No. of Tap Counts	1 to 9999
Type of Drive	Direct Drive with Stepper Motor
Printer Accessories	Attachment of RS232 printer with Serial interface
Standard Accessories	Cylinders 100 & 250ml (1 each) Cylinder holders for 100 & 250ml (1 each)
Electrical Supply	230 V AC $\pm 10\%$ , 50/60 Hz, 44VA
Dimensions (WxHxD)	360x340x190 mm without holder
Weight	15 Kgs

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