

Tap Density Tester



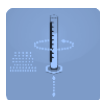
Snap-lock™ Mechanism

- Two different cylinder holders with Snap-lock™ mechanism designed to hold the 100 ml and 250 ml cylinders



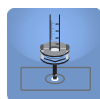
USP Method 1 and USP Method 2

- The instrument has 2 methods:
 - USP Method 1
 - USP Method 2
- The test can be performed in 2 different modes in both the test methods
 - USP mode - test will run with set number of taps as per USP requirements
 - User mode - test will run with set number of taps as per user requirements



Simultaneous Rotating and Tapping Motion

- Minimizes any possible separation of the mass during tapping down



Free Drop of the Cylinder

- Virtually friction-free bearings ensure a free drop of the cylinder from required height



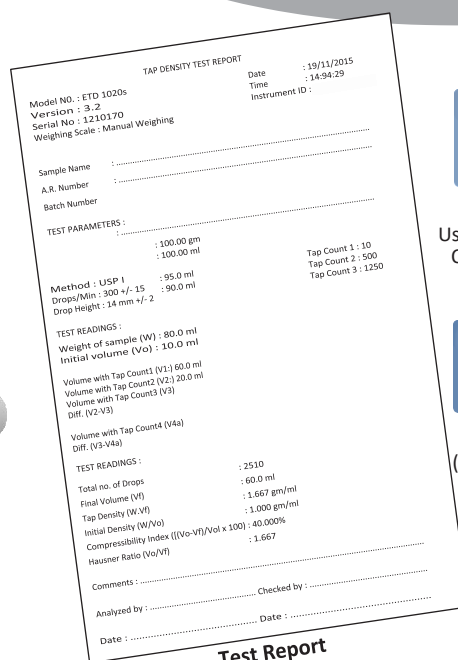
Quality by Design

- Complies with USP and ASTM specifications
- 24 x 2 alphanumeric LCD display
- Prompts on the LCD display during the test guides the user
- Online menus and status indicators
- Online validation of drops per minute
- Retention of programmed values in the memory of the instrument
- Power failure detection allows remaining test completion on power resumption
- At the end of the test, results like Tapped Density, Compressibility Index and Hausner Ratio are calculated and displayed
- RS-232 serial port can be connected for printing the test report on serial printer and can be transferred to the computer via optional LAN connectivity device



Report

- Report includes:**
- Test results like Tapped Density, Compressibility Index and Hausner Ratio
- Time and date on which the test was performed
- Serial number of the instrument
- Entry fields for user name and product details



User Friendly Operation



Results



Security



LAN (optional)



Print



Date and Time

USP 1 (TD-1-2) & USP 2 (TD-02) also available

Ideal for measuring the tapped density of powders, granules, pellets, flakes, etc.

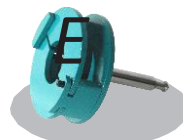
Standard Accessories



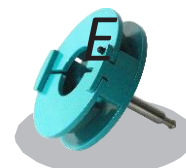
Measuring cylinder 100 ml 'A'
with certificate
Part no - 0301A00001



Measuring cylinder 250 ml 'A'
with certificate
Part no - 0301A00003



Cylinder holder for 100 ml
Part no - 0301A00017



Cylinder holder for 250 ml
Part no - 0301A00018

Optional Accessories



Acoustic cabinet
Part no - 0301A00014



Adapter for 10 ml
measuring cylinder
Part no - 0301A00012



Adapter for 50 ml
measuring cylinder
Part no - 0301A00011

Reduces the sound level to 71 dB
to meet laboratory standards

Part No.	Description
0301A00002	Measuring cylinder 100 ml 'B' without certificate
0301A00004	Measuring cylinder 250 ml 'B' without certificate
0301A00005	Measuring cylinder 50 ml 'A' with certificate
0301A00006	Measuring cylinder 50 ml 'B' without certificate
0301A00009	Measuring cylinder 25 ml 'A' with certificate
0301A00010	Measuring cylinder 25 ml 'B' without certificate
0301A00007	Measuring cylinder 10 ml 'A' with certificate
0301A00008	Measuring cylinder 10 ml 'B' without certificate

Specifications

ModelS	TD-1-2	
	230 Volts	115 Volts
Cover:	M.S.	M.S.
Test methods	USP 1 and USP 2, ASTM (optional)	
No. of station	2	
Tap height	USP 1 : 14 mm \pm 2 mm / 3 mm \pm 0.2 mm, USP 2 : 3 mm \pm 0.2 mm	
Taps / minute	USP 1 : 300 \pm 15 / 250 \pm 15 , USP 2 : 250 \pm 15	
No. of tap counts	10, 500, 1250	
No. of taps (user mode)	1 to 9999	
Display	24 x 2 alphanumeric LCD	
Type of drive	Direct drive with stepper motor	
Printer interface	Serial port	
PC connectivity	Standard : Serial Optional : External LAN	
Electrical power	220/230 V AC \pm 10%, 50/60 Hz, 44 VA 110 V AC \pm 10%, 50/60 Hz, 44 VA	
Dimensions (W x H x D)	36 cm x 20 cm x 32 cm	
Weight	17 kg	



Care & Maintenance

- It is advised to lock the cylinder holder properly before starting the test. Not doing so could lead to accidents and breakage of glasswares.

Please ask Pharma Alliance's Service Engineer / Sales Person, to confirm whether your existing Tap Density is compliant to current USP criteria.

Our Products

- Complete range of Dissolution Testers • Dissolution Media Preparator • Disintegration Testers • Friability Testers • Tablet Hardness Testers
- Electromagnetic Sieve Shakers • Bulk Density Tester • Powder Flow Tester • Leak Testers • Peristaltic Pumps



The information contained in this document is believed to be correct but **Pharma Alliance** accepts no liability for any errors and reserves the right to alter specifications without notice
January, 2018/ 030F001

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