

PHYSICAL TESTING INSTRUMENTS



TABLET DISINTEGRATION TESTER



TAP DENSITY TESTER

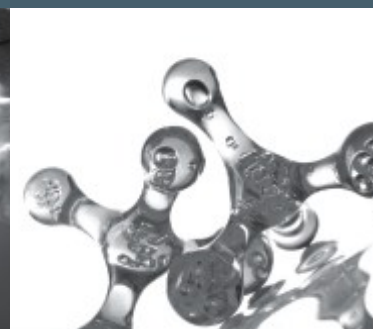


TABLET FRIABILITY TESTER

Common Features

- Advanced Microcontroller based user-friendly state-of-the-art product design with alphanumeric splash waterproof polyester soft keys of keyboard. User interactive software in dialogue mode for ease of operation with protection against invalid entries.
- Alphanumeric entries of Sample Name, Sample Number and Identification Number for authentication. Daily Auto Incremented Run number and Factory entered CUSTOMER NAME with instrument Serial Number on report printouts make the system fool proof and GLP compliant.
- Selectable Report Format, complying with GLP requirements:
 - a.) Report giving Run No., Set Parameters and actual parameters during the process
 - b.) Report of program parameters for stored methods, with printout of empty program numbers.
 - c.) Validation Report for test parameter.
- Reports can be obtained even after resetting/power off/power failure conditions.
- Non-volatile memory storage of methods with parameters.
- Built-in Real Time Clock (RTC) for date and time display and on printout.
- Error indication helps user to trace the problem.
- Run can be started with last run parameters.
- Printer compatibility for Deskjet, Inkjet & Dot matrix printer.
- Meets all requirements relating to validation, qualification and calibration.
- Appropriate qualification documents (I.Q./O.Q.) can be supplied with the instrument.
- Built-in validation software.

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TABLET DISINTEGRATION TESTER

Disintegration test is intended to demonstrate the effective break-up of the solid formulation. LABINDIA has introduced a novel Tablet Disintegration Tester for testing the disintegration time of tablets, capsules and other solid dosage forms.

Salient Features

- Meets current specification of USP, IP and other Pharmacopoeias
- Specifically designed for use in the quality and production control of normal plain coated tablets and gelatin capsules
- Programmable Temperature & Time
- Molded clear acrylic water bath with illumination for better visibility
- Baskets are automatically lifted at the end of the test
- Capability for dual buffer disintegration test
- Audible, low water level alarm with indication on display for safety
- External temperature sensors available for individual beaker
- Optional - External 6x6 keyboard for logging the Disintegration time of Individual samples tubes.

Accessories:

Bolus Basket with 3 tubes

Bolus Basket with 1 tubes

Fluted Discs (For Above)



Model: DT 1000

SPECIFICATIONS

Sr. No.	Parameters	Specifications
1	Dip Speed	30, ± 1 DPM
2	Stroke length	5.5, ± 0.1 cm
3	Water bath temperature range	Ambient +5 to 50°C
4	Water bath temperature accuracy	$\pm 0.2^\circ\text{C}$
5	Water bath circulation	Immersion Pump
6	Beaker volume	1000 ml
7	Basket	2X6 test positions (10mesh) USP type A
8	Fluted Disk	6 numbers in each basket USP type A
9	Test Mode	Programmable Time up to 99:59 (hh:mm) Display Format 99:59:59
10	Display	20 X 2 Line back lighted LCD display
11	Keyboard	Alphanumeric splash water proof polyester soft keys
12	Output Printer RS-232C	Parallel Port PC Connectivity for data downloading
13	Power Requirement	230Vac / 50 Hz, 275 W
14	Environmental Operating conditions	a) Operation Indoor b) Temperature Ambient to 45°C c) Humidity 20% to 80%
15	Dimension (Approx.)	330 X 330 X 580 cm (W X D X H)
16	Shipping Weight (Approx.)	37 kg App.

TABLET FRIABILITY TESTER

Friability is one of the testing criteria of mechanical strength of the tablet. Labindia manufactures Friability Tester as per pharmacopoeia. The micro-processor controlled friability tester allows the programming of specific time interval or set number of counts / rotations. The display indicates either the elapsed time or the revolution count as per the selected method. The program also allows the weights to be entered for further calculations.

Salient Features

- Meets current specifications of USP, IP and other Pharmacopoeias
- Offers a count and time mode
- Automatic discharge of the of the sample into individual sample tray after completion of each cycle
- 10° tilting of drums as per USP recommendation
- Easy front loading system
- Supports friability drum and abrasion drum
- Calculation of friability – percentage weight-loss
- Balance interface for sample weight transfer



Model: FT 1020

SPECIFICATIONS

Sr. No.	Parameters	Specifications
1	Operating Modes	Count or Time, user selectable
2	Test Mode	Programmable Count 1 to 9999 Or Programmable Time up to 99:59 (hh:mm) Display Format 99:59:59
3	Display	20X2 Line back lighted LCD display
4	Rotation Speed	25, ± 1 RPM – fixed 20-50 RPM, programmable (Optional)
5	Count mode accuracy	Actual setting ± 1 rotation
6	Standard drum types	2 Drums, Roche type or Abrasion type (optional)
7	Drum Material	Acrylic – USP
8	Keyboard	Alphanumeric splash water proof polyester soft keys
9	Output Printer RS 232C	Parallel Port PC Connectivity for Data Downloading
10	Power Requirement	230Vac / 50Hz, 20W
11	Environmental operating conditions	a) Operation Indoor b) Temperature Ambient to 45°C c) Humidity 20% to 80%
12	Dimension (Approx.)	310 X 310 X 490 cm. (W X D X H)
13	Shipping Weight (Approx)	10 Kg

TAP DENSITY TESTER

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



Model: TD 1025

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 stepper motor
4	Drop height	Position I = 14, \pm 2mm Position II = 3, \pm 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)	340 X 310 X 200 cm (W X D X H)
15	Shipping weight (Approx)	13 kg

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Striving to become the best individuals, we endeavour to foster the best team. Performing sensibly, we try to achieve the best efficiency. Working innovatively, we seek to make the best products. Listening patiently, we excel to offer the best service. So, no matter what you needs are, come to us, GET THE BEST

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