



TABLET DISINTEGRATION TEST APPARATUS

This test determines whether tablets and capsules disintegrate within a prescribed time when placed in an immersion fluid under prescribed experimental conditions.

TABLET DISINTEGRATION TEST APPARATUS, Model: VTD – DV



Registered Office: Survey No. 81, Plot No. 16-17, Junagadh Road, Near Lion's School, Jetpur - 360370, Gujarat, India.

Branch Office: 401, Vithal Bhavan, 1st Floor, Chira Bazaar J.S.S. Road, Mumbai – 400 002, India.

Tel: +91 022 66370811, +91 022 66370812 **Email:** info@alakhealthcare.com **Website:** www.alakhealthcare.com



Technical Specifications:

- Microcontroller based circuitry to precisely control, indicate and program temperature of water bath and beaker individually.
- 'PAUSE' facility: This facility permits chemist to check disintegration state of the tablets intermittently and continue test without disturbing the test parameters.
- Equipped with maintenance free single stepper motor.
- All parameters like- Set Test Time, Actual Test Time, Temperature, Heater's 'ON/OFF' state etc, are indicated on graphic LCD display screen.
- Protection for over temperature for Heater through software and hardware.
- Facility to measure stroke length while test is on.
- Beaker temperature of both baskets displayed individually.
- Test reports print all the detailed test parameters such as Temperature, Batch No, and Product ID etc. with ON-LINE or OFF-LINE printing facility.
- Facility to print company's name on test report.
- Optically isolated electronic heater driver.
- Facility to review set parameters.
- Non volatile memory.
- Date selection in off line printing.
- IQ, OQ documents will be provided with the instrument.
- Validation of cycles / Min. with On/Off line printing facility

Technical Details:

- Number of beakers: 2 (1000 ml Glass Beakers).
- Number of baskets: 2 (Each containing 6 glass tubes and 6 guided discs, designed as per USP, IP and BP standards).
- Number of cycles: 30 cycles/min.
- Stroke length: 55 ± 2 mm.
- Power supply: 230V, 50Hz, 1 KW max.
- Timer maximum interval setting: 4 Hours.
- Temperature range: Room Temperature to 40°C.
- Temperature resolution: ± 0.2 °C.
- Dimensions (L x W x H): 390 x 360 x 570 mm
- Weight: 15 Kg.

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- Informative 128 x 64, blue graphic LCD display.
- Input: Tactile Keypad
- Memory to store 25 tests method parameters like disintegration time, temperature, alarm time and print interval.
- Compatible with DOT MATRIX printer.

TABLET DISINTEGRATION TEST APPARATUS, Model: VTD – AV

The instrument is having the same features like MODEL: VTD-DV along with incorporated additional advanced feature. This instrument is equipped with individual maintenance free stepper motors to drive baskets up/down independently. Each motor can be operated independently and two different batch products can be analyzed at a time.

TABLET DISINTEGRATION TEST APPARATUS, Model: VTD – DVP

Technical Specifications:

- Equipped with stepper motors to drive basket up/down and for parking.
- Indicates temperature of individual beaker.
- Blue display (240 X 64) display for better presentation, to indicate test parameters and program temperature of water bath and beaker individually
- Automatic Parking, where both baskets can be parked above the media before and after the test.
- Memory to store 48 test record and 95 Test Methods
- Wobble and vibration free instrument.
- Protection for over temperature for Heater through software and hardware.
- Software as well as hardware protection for over temperature of heater.
- Pass ward protection at different level.
- Facility to review set parameters.
- Parallel printer port for connecting dot matrix printer.
- On line / off line print facility.
- Date and product selection in off line printing.
- Facility to enter company's name on the test report.

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- Facility to measure stroke length while test is 'ON'
- User friendly key board and PS-2 key board also incorporated for easy data entry.
- Power failure indication program is incorporated.

Technical Details

- Number of beakers: 2 (1000 ml Glass Beakers).
- Number of baskets: 2 (Each containing 6 glass tubes and 6 guided discs, designed as per USP, IP and BP standards).
- Number of cycles: 30 cycles/min.
- Stroke length: 55 ± 2 mm.
- Power supply: 230V, 50Hz, 1 KW max.
- Timer Maximum Interval Setting: upto 4 Hours.
- Temperature Range: Room Temperature to 45°C .
- Temperature Resolution: $\pm 0.2^{\circ}\text{C}$.
- Dimensions (L x W x H): 390 x 390 x 740 mm.
- Weight: 20 Kg.
- Informative 240 x 64, blue graphic LCD display.
- Input: Tactile Keypad + PS-2/PC Keyboard.
- Memory to store 95 tests method parameters like disintegration time, temperature, alarm time and print interval.
- Compatible with DOT MATRIX printer.

TABLET DISINTEGRATION TEST APPARATUS, MODEL: VTD-AVP

The instrument is having the same features like MODEL: VTD-AV along with incorporated additional advanced feature like –

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- While one basket is in operation the other basket can be deactivated.
- Blue display (240 x 64) display for better presentation to indicate test parameters and program temperature of water bath and beaker individually.
- Two different batch products can be analyzed simultaneously.
- Basket's motor movements can be validated independently and each basket can be programmed independently.
- Supports test for Enteric-coated tablets or Delayed Release Tablets.
- Date and product selection in off line printing.
- Power failure indication program is incorporated.
- Pass ward protection at different level.
- Memory to store 48 test record and 95 Test Methods

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