

# DIGITAL TABLET DISSOLUTION TEST APPARATUS

MODEL: **VDA – 14D**



Tablets or capsules taken orally remain one of the most effective means of treatment available even today. Tablet Dissolution is a standardized method for measuring the rate of drug release from a dosage form.

This TWELVE + TWO Test Microcontroller based instrument is designed to conduct Dissolution Test, as per IP/BP/USP standards.

## Technical Specifications:

- 14 Nos. Easy to attach and detach 'Press Fit' wobble free Stirrer shafts.
- 14 Nos. simple attachable or detachable Paddles Assembly (USP II)
- 14 Nos. Baskets with simple attachable or detachable Assembly(USP I)
- 14 Nos. Clear Dissolution Glass Vessels, Water Circulating Pump
- Water Bath with non-corrosive Tank plate.
- External probe to indicate vessel temperature.
- Bank of 12 operator names with individual password.
- 149 Test Methods with 24 different time intervals for sampling.
- Large Graphic LCD (240 X 128) to indicate set parameters like: RPM, Vessel Temperature, time interval, test time, etc.
- Wobble and vibration free instrument.
- Over temperature protection for Heater through software as well as hardware.
- Precise individual vessel centering system.
- Serial printer port for connecting dot matrix printer.
- On line print facility.
- Both, user friendly key board and QWERTY key board incorporated for easy data entry.
- Power failure indication program incorporated.
- RPM: 25 TO 200.
- Temperature Range: 2°C above ambient to 40. 0°C with accuracy  $\pm 0.2^\circ\text{C}$ .
- Wake-up mode to turn on the heater on predetermined time intervals.
- A motorized tray mounted with Temperature sensors and cannula for measuring Temperature of individual Vessels and collecting sample manually.
- Syringes for collecting sample manually

- The tray moves down at predefined set time interval and stops at predefined level to withdraw required volume of sample manually with help of syringe. Tray will move back out of vessel, causing minimum disturbance.
- Tablet dropping system to insert tablets simultaneously.
- Low evaporation Lids provided for minimal evaporation
- IQ, OQ documents will be provided with the instrument without any charges.
- Temperature Range: 2°C above room Temperature to 40.0°C with accuracy  $\pm 0.2^\circ\text{C}$ .
- Wake-up mode to turn on the heater on predetermined time intervals.

# MICRO CONTROLLER based AUTO SAMPLER for 14 STATION DISSOLUTION SYSTEM AUTO-SAMPLER UNIT WITH SYRINGE PUMP. MODEL: VAS-S14



A multi-syringe dosing pump is designed specifically for parallel sample withdrawal and dosage of media from a dissolution bath into open vials inside a fraction collector. It operates with multiple valve system. It is equipped with replaceable high precision glass syringes. The syringe dosing pump is available as additional part of the offline dissolution system packages.

## SALIENT FEATURES:

- User friendly programming with graphic display and 4 x 4 matrix key board.
- Auto sampling unit operates each time after receiving signals from main dissolution system.
- High precision GLASS SYRINGE (10ml) with motorized valve capable of handling various types of samples.
- Glass syringe: 12.
- Performs all type of operations
- Rinsing (user settable volumes 1 to 3 ml )
- Sampling (user settable replenishment volume 1 to 25 ml.
- Simple calibration / validation procedure.
- Clean cycle after every test.
- Sampler unit equipped with 12 x 10 sampling tray for 14 STATION unit
- Accurate positioning of dispensing arm with respect to the vial tray for zero spillage.
- Fraction Collector Unit is completely enclosed to prevent contamination.
- Clean cycle after every test.
- Sampler unit equipped with 6 x 10 sampling tray for 8 STATION unit
- Accurate positioning of dispensing arm with respect to the vial tray for zero spillage.
- Fraction Collector Unit is completely enclosed to prevent contamination.

## SPECIFICATIONS:

- Number of syringes : 12
- Number of sample vials : 120
- Power consumption : 500 watts

## VEEGO INSTRUMENTS CORPORATION