



**Multiplelabs**<sup>TM</sup>  
Turnkey Laboratories Solutions



**Analytical**<sup>®</sup>  
Technologies Limited

## MICROCONTROLLER BASED DISSOLUTION TEST APPARATUS, MODEL: 3008 SERIES



This Advanced, Eight Tests Microprocessor based instrument is designed to conduct dissolution tests, as per IP/BP/USP Standards.

The apparatus is equipped with very reliable maintenance free stepper motor drive for stirrers. The speed of the stepper motor is controlled and maintained by advanced microcontroller based system.

EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## Technical Specifications

- ➔ 8 Nos. Easy to attach and detach 'Press Fit' wobble free Stirrer shafts.
- ➔ 8 Nos. simple attachable or detachable Paddles assembly (USP II).
- ➔ 8 Nos. Baskets with simple attachable or detachable assembly (USPI).
- ➔ Water Circulating Pump to maintain constant temperature of water-bath.
- ➔ 8 Nos. Unbreakable clear MOULDED Dissolution Vessels or Glass Vessels.  
(Provided as per user requirement).
- ➔ Molded Water Bath with non-corrosive Tank plate.
- ➔ An external Probe to indicate vessel temperature.
- ➔ Bank of 12 operator names with individual password.
- ➔ Precise individual vessel centering system.
- ➔ Password protection at different levels.
- ➔ Facility to review set parameters.
- ➔ Nonvolatile memory.
- ➔ Serial 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 name on the test report.
- ➔ Memory to store 48 test records.
- ➔ Both, user friendly key board and PS-2 key board incorporated for easy data entry.
- ➔ Power failure indication program is incorporated.
- ➔ RPM: 25 TO 200.
- ➔ Temperature Range: 30 .0°C – 40. 0°C with accuracy  $\pm 0.2^{\circ}\text{C}$ .
- ➔ Wake-up mode to turn on the heater on predetermined time intervals.



- ➔ 149 Test Methods with 24 different time intervals for sampling.
- ➔ Large Graphic LCD (240 X 64) 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.
- ➔ A motorized tray with sensors moves down as per set time and sensors dip into individual vessels and measure the temperature which is indicated on the display. Then it comes out of vessel. A printer is provided to print temperature of all 8 vessels.
- ➔ The tray carrying 6 sampling probes moves down as per set time and user defined volume (500 ml or 900 ml), probes dip into individual vessel at specified height. User can then withdraw required volume of sample manually with help of syringe. Tray will move back out of vessel, causing minimum disturbance
- ➔ 6 number syringes with required length tubing and locking system for the above attachment provided at no extra cost
- ➔ Tablet dropping system of SS provided to insert 6 tablets simultaneously. Lids provided for minimal evaporation
- ➔ IQ, OQ documents will be provided with the instrument without any charges.

## ►► Regulatory compliances



## ►► Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



# Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [info@analyticalfoundation.org](mailto:info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## ►► Reach us @



# Analytical<sup>®</sup> Technologies Limited

HPLC Solutions   MultipleLabs   Analytical Bio-Med   Analytical Distributors   Analytical Foundation (Trust)

**Corporate & Regd. Office:**  
Analytical House, # E67 & E68,  
Ravi Park, Vasna Road, Baroda,  
Gujarat 390 015. INDIA

T: +91 265 2253620  
+91 265 2252839  
+91 265 2252370  
F: +91 265 2254395

E: [info@hplctechnologies.com](mailto:info@hplctechnologies.com)  
[info@multiplelabs.com](mailto:info@multiplelabs.com)  
[info@analyticalbiomed.com](mailto:info@analyticalbiomed.com)

W: [www.ais-india.com](http://www.ais-india.com)  
[www.analyticalgroup.net](http://www.analyticalgroup.net)  
[www.hplctechnologies.com](http://www.hplctechnologies.com)  
[www.multiplelabs.com](http://www.multiplelabs.com)

Sales & Support Offices:  
across the country :  
Distributors & Channel  
partners World Wide