

Product Name :
Microprocessor Dissolution Test Apparatus**Product Code :**
ELABANALYTICAL0062**Description :**

Microprocessor Dissolution Test Apparatus

Technical Specification :

8 Station
6 Station
Complies with USP, IP specifications
Extremely Useful for Pharmaceutical Labs
Highly Accurate and Easy to Operate
Programmable Stirrer Speed Control i.e. (25 - 200 RPM)
20 x 4 Line Alphanumeric LCD with Backlit
19 Soft Touch Membrane Type Keys
Three Programming Modes i.e. Routine, Sustain and Control
20 Independent Programmable Setups for Routine and Sustain Mode with Storage Facility
200 Samples Storage Facility
Printer Attachment Facility
Audio Visual Indicators for System Status
Easy to Empty & Clean the Water bath with Bottom Drainage
Continuation of Last Sample Run in case of Power Failure

Microprocessor Dissolution Test Apparatus is a solid state instrument designed for the determination of active drug ingredient in any pharmaceutical formulation, tablet or capsule as per IP and USP specifications. This apparatus evaluates adequate bio-availability and provides necessary information to formulate in the development of therapeutically optimum dosage forms.

The instrument is designed and manufactured for pharmaceutical industries.

It is used in quality control and R & D to determine compliance with the dissolution requirement of the Tablet and Capsule as per USP/IP standards.

Instrument uses the latest microprocessor technology and advanced engineering techniques so as to give enhanced accuracy and reproducibility.

The system has user friendly prompts, which guide you throughout the measurement process.

System is equipped with 4 line alphanumeric LCD display with backlit and 19 soft touch membrane type keys that provides a convenient interface for entering the data. Independent stirrer and platform keys on the front panel allow the user to easily start/stop stirrer movement or displacement of platform in the required direction at any time.

Display: 20 x 4 Line Alphanumeric LCD display with Backlit

Keyboard: 19 soft touch membrane keys

LED: 6 LED's, 3 LED's for Test status like Run, Alarm, End and 2 LED's for Platform up/down status and one for heater ON/OFF status.

Prog. Mode: Routine, Sustain and Control mode.

Facility for 20 different test setups available in Routine and Sustain mode.

Printer: Provision for the attachment of dot-matrix printer with centronics parallel port interface available.

STIRRER

Speed: 25 - 200 RPM, + 1 RPM

Resolution: 1 RPM

Accuracy: + 1 RPM

TEMPERATURE

Range: 30 - 50 oC

Accuracy: + 1 oC

Temp. Control: Microprocessor Based using PT100/Semiconductor Sensor

SAMPLING

Reaction Vessel: 1000 ml jars with stirrer pedals and baskets

Heater: 1 KW

Power: 230 V \pm 10%, 50 Hz. AC

Accessories: Main Unit with Acrylic Tank and Rectangular Cover Plate and Water Bath Temperature Sensor.

External Temperature Sensor (T2) for Vessel Reaction Vessel capacity 1000 ml.

(8 Nos. in and (6 + 1) Nos. in).

Round Acrylic Cover Plate with Hole and a large slit.

(8 Nos. in & 6 Nos. in).

S.S. Paddle, S.S Wire Mesh Basket.

(8 Nos. in & 6 Nos. in).

Glass pipettes with rubber bellows.

Mains Lead.

Instruction Manual.

Dust Cover

 **LAB ENGINEERING**

Elab Engineering Equipments Manufacturers

