

# Microprocessor Dissolution Test Apparatus

2914

## Features

- 14 Station (Model - 2914)
- 12 Station (Model - 2912)
- Complies with USP, IP specifications
- Extremely useful for pharmaceutical abs
- Programmable stirrer control (25 to 200 RPM)
- 20 x 4 line alphanumeric LCD display with backlit
- 19 Soft touch membrane type keys
- 20 independent programmable setups for routine & sustain mode with storage
- 200 sample storage facility
- Printer attachment facility
- Audio visual indicators for system status
- Easy to empty and clean water bath with bottom drainage
- Continuation of last sample run in case of power failure



1 Year  
Warranty

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 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.



## Microprocessor Dissolution Test Apparatus

### Technical Data

#### Standard Accessories

- Main Unit with acrylic tank, rectangular cover plate, water bath temperature sensor (T1), Heater (2 nos.) And circulating pump : 1 No.
- External temperature sensor (T2) for vessel : 1 No.
- Reaction vessel capacity : 1 Set 1000 ml
- Round acrylic cover plate with hole and a large slit : 1 Set.
- S.S. Paddles, S.S. Wire mesh baskets : 1 Set
- S.S. Pillars for holding rectangular cover plate : 4 Nos.
- Glass pipettes : 3 Nos.
- Rubber bellow : 1 No.
- Thermometer : 1 No.
- Thermometer Holders : 1 Set
- Level Screws (10 Nos.) : 1 Set
- Spare Clips for Fixing Vessel Cover : 1 Set
- Spare Fuse 10 Amps : 2 No.
- Circulating pump main lead : 1 No
- Allen Key 4 mm : 1 No
- Instruction manual : 1 No.
- Dust cover : 1 No.

<b>GENERAL</b>	
<b>Stations</b>	14 stations in Model 2914
	12 stations in Model 2912
<b>Display</b>	20 x 4 line alphanumeric LCD display with backlit
<b>Keyboard</b>	19 soft touch membrane type keys
<b>LED's</b>	4 LED's for different status indications. 3 LED's for test status like Run, Alarm, End & 1 LED for heater ON/OFF status
<b>Setup Data</b>	20 different test setups available in routine and sustain modes
<b>Printer Attachment</b>	Provision for the attachment of dot-matrix printer with centronics parallel port interface available
<b>STIRRER</b>	
<b>Speed</b>	25 to 200 RPM $\pm$ 1 RPM
<b>Resolution</b>	1 RPM
<b>Accuracy</b>	$\pm$ 1 RPM
<b>TEMPERATURE</b>	
<b>Range</b>	30 to 50 $^{\circ}$ C
<b>Accuracy</b>	$\pm$ 0.2 $^{\circ}$ C
<b>Temp. Control</b>	Microprocessor based using PT100/ Semiconductor sensor as per IP/USP
<b>SAMPLE</b>	
<b>Reaction Vessel</b>	1000 ml jar with stirrer pedal and basket
<b>Heater</b>	1900 W
<b>Power</b>	230 V $\pm$ 10%, 50 Hz. AC

Specifications are subject to change due to continuous improvements

### Product Range

Semi Auto Analyser, Single Beam and double Beam UV/VIS Spectrophotometer, Flame Photometers, Haemoglobin Meter, Digital pH, Meter, Digital Photo Fluorometer, Digital Conductivity Meter, Digital Photo Colorimeter, Turbidity Meter, Auto KF Titrimeter, Digital DO Meter, Digital Conductivity Meter, Digital TDS Meter, Temperature Indicator, Digital Telethermometer, Water & Soil Analysis Kit, Digital Salinity Meter, Digital Colony Counter, Portable pH Meter, Portable Conductivity Meter, Portable TDS Meter, Portable DO Meter, Digital Tablet Disintegration Apparatus, Digital Friability Test Apparatus Tablet Dissolution Test Apparatus, Melting Point Apparatus, Student Microscope, Binocular microscope, Medical Microscope, Co-Axial Microscope.