

Microprocessor Disintegration Test Apparatus

1901



1 Year
Warranty

- Complies with USP, IP specifications
- Extremely useful for pharmaceutical labs
- Highly Accurate and Easy to Operate
- Baskets 'UP' & 'DOWN' movement as per IP/USP Specifications
- 20 x 4 Line Alphanumeric LCD with Backlit
- 20 Setups Storage Facility
- 200 Samples Storage Facility
- Printer Attachment Facility
- Audio Visual Indicators for System Status

Microprocessor Disintegration Test Apparatus model 1901 is a solid state instrument designed for the accurate estimation of disintegration time of tablets as per IP/USP standards. The instrument is designed to test two batches of six tablets, simultaneously. The instrument is useful for pharmaceutical industry. It is used in quality control labs and R & D to determine compliance with the disintegration 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.

Microprocessor Disintegration Test Apparatus is equipped with 4 line alphanumeric LCD display with backlit for displaying various test parameters and 15 soft touch membrane type keys with full numeric keypad that provides a convenient interface for entering numeric values. The Samples being analyzed are automatically stored in the memory in different batch and sample numbers.

The instrument has the storage facility for 200 samples. It also has the facility for 20 different test setups which are retained in the memory even when the system is switched OFF. Provision has also been made for attachment of any dot matrix printer with centronics interface so that any of the stored setups/result can be printed.

The unit is provided with two glass beakers having capacity of 1000 cc. with arrangement to hold temperature sensor placed in the sturdy, acrylic water bath. The large spread out stainless steel heater ensures perfectly uniform heating. The instrument has dual channel temperature system with sensors to monitor the test temperature of disintegration beaker as well as water bath temperature. The temperature of the water bath and beaker is accurately maintained at $\pm 0.2^{\circ}\text{C}$. The basket speed is accurately controlled and maintained as USP, IP specifications.



Disintegration Test Apparatus 1901

Technical Data

ACCESSORIES

- Main Unit with Acrylic Tank and Rectangular Cover Plate
- Reaction Vessel - capacity 1000 ml - 2 Nos.
- Two USP Baskets with 6 Tubes and 6 guided Discs, each
- External Temperature Sensor
- Mains Lead & Dust Cover
- Instruction Manual

DISPLAY	20 x 4 Line Alphanumeric LCD display with Backlit
KEYBOARD	15 soft touch membrane keys
LED'S	4 LED's available for different status indications. 3 LED's for Test status like Run, Alarm, End and one LED for heater on/off status.
SETUP DATA	Facility for 20 different test setups available
PRINTER	Provision for the attachment of dot-matrix printer with centronics parallel port interface available.
SPEED	55 mm, 30 ±1 Strokes per minute
RESOLUTION	1 Sec to 99 Minutes
RANGE	20 °C - 40 °C
ACCURACY	± 0.2 °C
TEMPERATURE CONTROL	Microprocessor based using PT100/ Semiconductor Sensor
REACTION BEAKER	1000 ml
HEATER	1 KW
POWER	230 V±10% AC, 50 Hz
DIMENSION (L x B x H)	330 x 300 x 660 mm (Approx.)
WEIGHT	9 Kg. (Approx.)

Note: Specifications are subject to change due to continuous improvements.

Product Range

Semi Auto Analyser, Double Beam UV/VIS Spectrophotometer, Single Beam UV/VIS Spectrophotometer, Flame Photometer, Haemoglobin Meter, Photo Colorimeter, pH Meter, Conductivity Meter, TDS Meter, DO Meter, Salinity Meter, Turbidity Meter, Nephelometer, Colony Counter, Karl Fischer Moisture Titrator, Photo Fluorometer, Dissolution Test Apparatus, Disintegration Test Apparatus, Friability Test Apparatus, Melting Point Apparatus, Telethermometer, Temperature Indicator, Water & Soil Analysis Kit, Portable pH Meter, Portable Conductivity Meter, Portable TDS Meter, Portable DO Meter, Student Microscope, Binocular Microscope, Medical Microscope, Co-Axial Microscope. Apparatus, Digital Friability Test Apparatus.