

**Product Name :**  
Nauga Lab Microprocessor Disintegration Test Apparatus1

**Product Code :**  
NLAB-LABORATORYEM59001



**Description :**

Nauga Lab Microprocessor Disintegration Test Apparatus

**Technical Specification :**

Microprocessor Disintegration Test Apparatus

**Features:-**

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

15 Soft Touch Membrane Type Keys

20 Setups Storage Facility

200 Samples Storage Facility

Printer Attachment Facility

Audio Visual Indicators for System Status

Microprocessor Disintegration Test Apparatus 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, and 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  $\pm 0.2$  oC.

The basket speed is accurately controlled and maintained as USP, IP specifications.

#### **Specifications:-**

20x4 line alphanumeric LCD display with backlit

Key board

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	20 different test setups available
Printer	Provision for the attachment of dot-matrix printer with centronics parallel port interface
Speed	30 ± 1 strokes per minute
Resolution	10 Minutes
Temp. Range	
Temp. Accuracy	
Temp. Control	Micro Controller based using PT100/Semiconductor Sensor
Reaction Beaker	

Heater	
Power ± 10% AC, 50 Hz	
Dimensions 495 mm (L x B x H) (Approx.)	
Weight (Approx.)	
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	
Instruction Manual	
Dust Cover	

## Naugralabequipments

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