



Product Code . JL-DTA-2213

## Microprocessor Disintegration Test Apparatus

### Description

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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

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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.

**Microprocessor Disintegration Test Apparatus Manufacturer, Microprocessor Disintegration Test Apparatus Suppliers, Microprocessor Disintegration Test Apparatus India, Microprocessor Disintegration Test Apparatus Exporter, Disintegration Test Apparatus, buy Microprocessor Disintegration Test Apparatus, Microprocessor Disintegration Test Apparatus, Analytical Research Equipment, buy Microprocessor Disintegration Test Apparatus Online India**

**Specifications:-**

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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
Speed	55 mm. 30 ± 1 strokes per minute
Resolution	1 Sec - 99 Minutes
Temp. Range	20 °C - 40 °C
Temp. Accuracy	± 0.2 °C
Temp. Control	Microprocessor based using PT100/Semiconductor Sensor
Reaction Beaker	1000 ml
Heater	1 KW
Power	230 V ± 10% AC, 50 Hz
Dimensions	365 x 350 x 495 mm (L x B x H) (Approx.)
Weight	9 Kg (Approx.)
Accessories	<p>Main Unit with Acrylic Tank and Rectangular Cover Plate</p> <p>Reaction Vessel - capacity 1000 ml - 2 Nos.</p> <p>Two USP Baskets with 6 Tubes and 6 guided Discs, each</p> <p>External Temperature Sensor</p> <p>Mains Lead</p> <p>Instruction Manual</p> <p>Dust Cover</p>

{ "@context": "http://schema.org/", "@type": "Product", "name": "Microprocessor Disintegration Test Apparatus", "image": "https://www.jlabexport.com/images/catalog/product/378059066microprocessor-disintegration-test-apparatus.jpg", "description": "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

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