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Manufacturer & Exporter · Ambala, Haryana, India

PRODUCT DATA SHEET
Catalogue reference for product evaluation

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Tablet Dissolution Test Apparatus 6 Station USP | PMSC 06

Category: Pharmacy Lab Equipment · **Order Code:** PMSC 06 · **Country of Origin:** India

Product Overview

The Tablet Dissolution Test Apparatus 6 Station USP PMSC 06 is a six-station dissolution tester for USP testing. It features 25 to 160 rpm digital speed control, PT-100 temperature sensing at ±0.5°C, a 300 x 200 x 200 mm clear acrylic bath with 350 W heater, and a microprocessor timer with alarm.

View this product online: https://scienticoindia.com/product/tablet-dissolution-test-apparatus-6-station-usp-pmsc-06/



Request a model-specific quotation
Include quantity and delivery country.

Technical Specifications

Tablet Dissolution Test Apparatus 6 Station USP PMSC 06 — Technical Specifications

Parameter	Value
Number of Stations	6
Standard	USP
Speed Range	25 to 160 rpm
Speed Accuracy	±1 rpm
Temperature Range	5°C above ambient to 45°C
Temperature Accuracy	±0.5°C
Temperature Sensor	PT-100
Timer	Microprocessor preset, 00:01 to 99:59 h, with alarm
Display	12 mm red LED for temperature, speed, and time
Bath Material	Clear acrylic
Bath Dimensions	300 x 200 x 200 mm
Heater	350 W, SS
Baskets and Paddles	SS 316
Overall Dimensions	300 x 220 x 780 mm

Parameter	Value
Weight	Approximately 10 kg

Technical Data

Speed System:

- Range: 25 to 160 rpm
- Accuracy: ±1 rpm
- Digitally controlled

Temperature System:

- Sensor: PT-100
- Range: 5°C above ambient to 45°C
- Accuracy: ±0.5°C
- Heater: 350 W, SS

Bath:

- Material: clear acrylic
- Dimensions: 300 x 200 x 200 mm

Timer:

- Type: microprocessor preset
- Range: 00:01 to 99:59 h
- Alarm: included

Display:

- 12 mm red LED
- Shows temperature, speed, and time

Baskets and Paddles:

- Material: SS 316

Physical:

- Overall dimensions: 300 x 220 x 780 mm
- Weight: approximately 10 kg

Key Features

Key Features

- Six-Station Design: Six test stations for USP dissolution testing
- Digital Speed Control: 25 to 160 rpm with ±1 rpm accuracy
- Precise Temperature Sensing: PT-100 sensor with ±0.5°C accuracy
- Microprocessor Timer: Preset from 00:01 to 99:59 h with alarm
- Clear LED Display: 12 mm red LED for temperature, speed, and time
- Clear Acrylic Bath: Transparent bath for visual monitoring
- SS 316 Components: Baskets and paddles in stainless steel 316

Experiments

- Tablet dissolution testing as per USP
- Parallel dissolution testing across six stations
- Dissolution rate determination from 25 to 160 rpm
- Temperature-controlled dissolution testing

Construction and Design

The Tablet Dissolution Test Apparatus 6 Station USP PMSC 06 houses six test stations in a clear acrylic bath measuring 300 x 200 x 200 mm. A 350 W SS heater maintains bath temperature, sensed by a PT-100 sensor. SS 316 baskets and paddles hold and agitate the samples. The microprocessor timer and 12 mm red LED display show operating parameters. Overall dimensions are 300 x 220 x 780 mm, with an approximate weight of 10 kg.

Scope of Delivery

- 1 Six-station tablet dissolution test apparatus
- 1 Clear acrylic dissolution bath
- 1 350 W SS heater
- 6 SS 316 baskets and paddles
- 1 PT-100 temperature sensor
- 1 Microprocessor-based timer with alarm
- 1 Digital display system

Ordering & Delivery

- Send the product name, quantity, delivery country and destination with your enquiry.
- Production schedule, freight, payment terms and export documents are confirmed in the written quotation.

Frequently Asked Questions

Q: How many stations does the Tablet Dissolution Test Apparatus 6 Station USP PMSC 06 have?
A: It has six stations for dissolution testing as per USP requirements.

Q: What speed range does the Tablet Dissolution Test Apparatus 6 Station USP PMSC 06 cover?
A: Digital speed control ranges from 25 to 160 rpm with ±1 rpm accuracy.

Q: How is temperature measured on the Tablet Dissolution Test Apparatus 6 Station USP PMSC 06?
A: A PT-100 sensor measures temperature with ±0.5°C accuracy across 5°C above ambient to 45°C.

Q: What timer range does the Tablet Dissolution Test Apparatus 6 Station USP PMSC 06 offer?
A: The microprocessor timer presets from 00:01 to 99:59 h and includes an alarm.

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