

Tablet and Capsule Dissolution Tester

The DT-RC-1 series dissolution testers are used to determine the velocity and extent of pharomic dissolution. This is tested from a tablet, capsule, or other solid dosage form in a prescriptive menstruum.



Overview

Precision Dissolution Testing

The DT-RC-1 series dissolution tester is designed for accurate detection of the velocity and extent of pharmaceutical dissolution from tablets and capsules. Featuring a single-vessel, single-pole configuration, this instrument ensures reliable testing in prescriptive mediums. It is equipped with advanced MPU controls for temperature, rotational speed, and timing, making it an essential tool for maintaining consistent quality standards in pharmaceutical laboratories.

Performance Metrics

Speed Range

20 rpm

Min Speed

200 rpm

Max Speed

Speed Accuracy

2 rpm

Temperature Control

Temperature Range

Ambient to +45.0

Temperature Stability

0.3 °C

Timing and Automation

Preset Timing Points

9

Time Range

5-900 min

Automation Capabilities

Auto-test, Auto-diagnose, Auto-alarm

Mechanical Specifications

Mechanical Tolerances

Component	Radial Run-out
Paddle	±0.5mm
Basket	±1.0mm

Physical Dimensions

260 x 300 x 480 mm

Compliance and Standards

Applicable Standards

- Chinese Codex 2010
- Corporate Standard Q/12XQ0187-2010

Power Requirements

Power Configurations

220V/50Hz/600W • 110V/60Hz/600W