

# Tablet and Capsule Dissolution Tester

The DT-RC-1 series dissolution testers are used to determine the velocity and extent of pharmic 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