



## **Dissolution tester LD-LDLT-A18**

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# Dissolution tester LD-LDLT-A18

## Overview

Dissolution Tester LD-LDLT-A18 is an intelligent dissolution testing system designed for precise evaluation of drug release characteristics in pharmaceutical laboratories. The instrument integrates advanced software control with a modern touch-based operating platform to support efficient method execution and data handling. Its user-oriented interface enables streamlined navigation through testing functions, account management, and operational settings, making it suitable for both routine analysis and research applications. The system is engineered to provide stable testing conditions for dissolution studies involving tablets, capsules, and other solid dosage forms, supporting pharmaceutical development, quality assessment, and regulatory testing workflows.

## Features:

- 14-inch LCD touch all-in-one operating interface for intuitive control
- Computer software operating system with smartphone-style icon navigation
- Electrically driven lifting mechanism for convenient head movement
- Automatic paddle height positioning to simplify setup procedures
- Independent stirring shaft and paddle design for flexible operation
- Compatible with both basket method and paddle method dissolution testing
- Four-level user authority management including Super Administrator, Administrator, Technician, and Visitor access
- User account management with password expiry and account status control functions
- Integrated software environment for operation, method management, and user administration
- Touch-based parameter input and monitoring for efficient laboratory workflow
- Designed for multi-position dissolution testing applications
- Optimized for pharmaceutical analytical and research environments

## Applications:

Used to detect rate (velocity & extent) dissolution limit of pharmaceutical drugs in the form of tablets, pills, capsules, etc. in prescriptive form.

## Specifications:

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| <b>Net Weight</b>        | 150 kg                                            |
| <b>Speed Range</b>       | 0-400 rpm $\pm$ 1 rpm / 400-1000 rpm $\pm$ 4% rpm |
| <b>Power Supply</b>      | AC 220 V $\pm$ 10%, 50 Hz                         |
| <b>Basket Run-out</b>    | ? 0.8 mm                                          |
| <b>Paddle Run-out</b>    | ? 0.5 mm                                          |
| <b>Speed Accuracy</b>    | $\pm$ 1 rpm                                       |
| <b>Shaft Deviation</b>   | ? 1.0 mm                                          |
| <b>Temperature Range</b> | RT to 50°C                                        |

|                               |                         |
|-------------------------------|-------------------------|
| <b>Vessels / Paddles</b>      | 14 vessels / 12 paddles |
| <b>Packing Dimension</b>      | 1300×710×1050 mm        |
| <b>Temperature Accuracy</b>   | ? ±0.1°C                |
| <b>Dimensions (L × W × H)</b> | 600×1400×830 mm         |