



TORONTECH



DISSOLUTION TESTER 14 STATION - TORONDT™ B14 (BASIC)

Dissolution Tester 14 Station - ToronDT™ B14 (Basic)

Dissolution Tester – 14 Station (Basic) is a high-capacity dissolution testing apparatus designed to measure how pharmaceutical tablets and capsules release active ingredients under controlled conditions. This dissolution tester delivers consistent, repeatable results through precise temperature control, smooth agitation, and secure data handling, making it a reliable solution for routine dissolution testing equipment in regulated laboratory environments.



APPLICATIONS

Dissolution Tester 14 Station - ToronDT™ B14 (Basic) Applications

- Pharmaceutical Manufacturing: Performs dissolution tests to verify batch consistency and product performance during production.
- Pharmaceutical Quality Control Laboratories: Supports routine dissolution testing to confirm compliance with USP, IP, Ph. Eur., and JP requirements.
- Formulation Development: Evaluates release profiles for immediate-release and controlled-release dosage forms.
- Stability and Comparative Studies: Enables long-duration and infinity test runs for sustained and modified-release products.
- Regulatory and Validation Testing: Generates traceable dissolution test records for audits, documentation, and compliance reporting.

FEATURES

Dissolution Tester 14 Station - ToronDT™ B14 (Basic) Key Features

- 14-Station Dissolution Testing Capacity: Enables parallel testing to increase throughput and laboratory efficiency.
- 7-inch TFT Touchscreen Interface: Provides intuitive control, clear visualization, and simplified test setup.
- USP-Compliant Automatic Stirrer Height Adjustment: Ensures accurate paddle and basket positioning across multiple test methods.
- Precision Temperature Control System: Isolated temperature controller and circulating pump minimize vibration and maintain uniform bath conditions.
- Infinity Test and Timeation™ Function: Supports extended dissolution test runs for sustained-release formulations.
- Integrated Data Integrity System: Multi-level user security, audit trail, electronic logbook, and role-based access control.

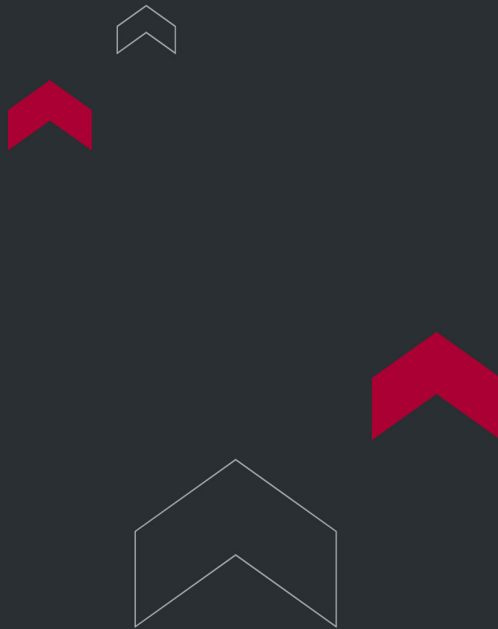
- LAN and FTP Connectivity: Enables centralized printing, data backup, and machine-to-machine data transfer.
- Vibration-Free Motorized Lift Mechanism: Ensures smooth, stable movement during test setup and operation.
- Power Failure Auto-Resume: Protects test continuity during unexpected power interruptions.
- Comprehensive Reporting Tools: Stores up to 50,000 test reports with customizable templates and PDF export.

TECHNICAL SPECIFICATIONS

Dissolution Tester 14 Station - ToronDT™ B14 (Basic) Technical Specifications

Model	ToronDT™ - B14
Number of Stations	14
Test Methods Supported	USP Apparatus 1 (Basket), Apparatus 2 (Paddle), USP 5 & 6 (Intrinsic Methods)
Display	7" TFT Touch Screen
Temperature Control	Isolated controller with water circulation pump
Water Bath	Molded clear water bath with bottom drainage
Sampling Intervals	Up to 24 programmable intervals
Sample Volume Range	1 mL to 20 mL
Data Storage Capacity	Up to 50,000 test reports
Connectivity	LAN, FTP, Static/DHCP IP
User Security	Multi-level access, password-based roles
Compliance	USP, IP, Ph. Eur., JP

Model	ToronDT™ - B14
Data Integrity	Audit trail, electronic logbook, biometric log-in support
Power Failure Protection	Automatic test resume
Reporting	PDF report generation with review and approval workflow



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