

DISSOLUTION TESTER - TRUST E-14 SAMPLE COLLECTOR (DX)



The Dissolution Tester Trust E-14 Sample Collector (Dx) is a high-capacity 14-station dissolution testing system developed for pharmaceutical QC, R&D, and stability laboratories requiring higher throughput without compromising accuracy or compliance.

Designed to meet USP, IP, Ph. Eur., and JP specifications, this dissolution test apparatus combines automated sampling, secure data management, and advanced temperature and speed control to support both routine testing and complex sustained-release studies.

APPLICATIONS

The Trust E-14 Dissolution Tester with Sample Collector (Dx) is ideal for high-throughput pharmaceutical dissolution testing across regulated and research environments.

- Routine dissolution testing of tablets and capsules in QC laboratories
- Sustained and controlled-release formulation testing using TimeAction™ functionality
- Stability studies requiring long-duration and repeatable test conditions
- Method development and validation for branded and generic drug products
- Comparative dissolution profiling for bioequivalence evaluation
- Pharmaceutical R&D and academic research applications

FEATURES

- LAN connectivity for central printing
- Multilevel security with password protection for up to 250 users, allowing for user-programmable roles
- Alphanumeric data entry for product and user details

- A unique TimeAction™ function that enables media changeover and infinite test runs, making it ideal for sustained and controlled release products
- Programmable different aliquot volumes for each sample interval, allowing for variable dilution
- Compliance with USP, IP, Ph. Eur., and JP specifications
- Automatic stirrer height positioning for USP 1, 2, 5, 6, and intrinsic test methods
- A molded clear water bath
- An easy-to-empty and clean water bath with bottom drainage
- A precise individual vessel centering system
- Adjustable leveling of the instrument
- An Easy Snap-Fit™ shaft locking mechanism for secure engagement and wobble-free operation
- Vibration-free, smooth motorized lift movement
- An isolated temperature controller and water circulating pump that are vibration-free and precise, with wake-up and sleep modes to save time and energy
- Support for up to 1000 programmable products
- 24 programmable sampling intervals
- Storage capacity for up to 10,000 test reports
- Instrument accessories such as paddles, baskets, vessels, etc., are laser-marked with serial numbers for easy identification
- Designed to minimize routine validation efforts
- Programmable report templates
- Capability to generate reports for online validation of tests, monographs, and error logs during the test
- Programmable sample volume ranging from 1 ml to 20 ml
- Audio-visual indicators to display the system's status
- A power failure detection and auto-recovery feature
- Delight technology that provides audio-visual indications of the instrument's status
- A fingerprint module for user authentication
- Support for up to 250 users
- An audit trail for tracking actions and changes
- Electronic signatures (E-signature) for authentication and authorization purposes

- An auto dispenser feature
- Intense rinse options, including rinse by purge and rinse by loopback.

TECHNICAL SPECIFICATIONS

No. Of Stations	14
Speed Range	20 to 300 RPM
Speed Accuracy	± 0.5 RPM
Temperature Range	20° C to 40°C (extended range 10 to 40 and 20 to 55 optional)
Temperature Accuracy (At 37° C)	± 0.1°C
Display	7" TFT touch screen display
Test report storage	10000
Sample Interval	1min to 999hrs, 59 min
No. of syringes	Standard : 12, Optional : 14
Interface Port	Ethernet, RS 232, RS 485
Stirrer Drive	High performance BLDC (maintenance free)
Vessel Capacity	150 ml, 250 ml, 1 L, 2 L
Bath capacity	28L
Water bath	One piece moulded clear
Temperature controller	Heater : 1 kW, SS 316 with thermal protection
Electrical Power	220/230 VAC, 50/60 Hz, 1.3 kW/6 Amp

110 VAC, 50/60 Hz, 1.3 kW/10 Amp	
Dimensions (L x W x H) :	
Basic	115 cm x 51 cm x 71 cm
Offline Automation System	156 cm x 51 cm x 71 cm
Weight :	
Basic	126 kg
Offline Automation System	212 kg
Power Supply	(110V is also available. Please specify when ordering)



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

