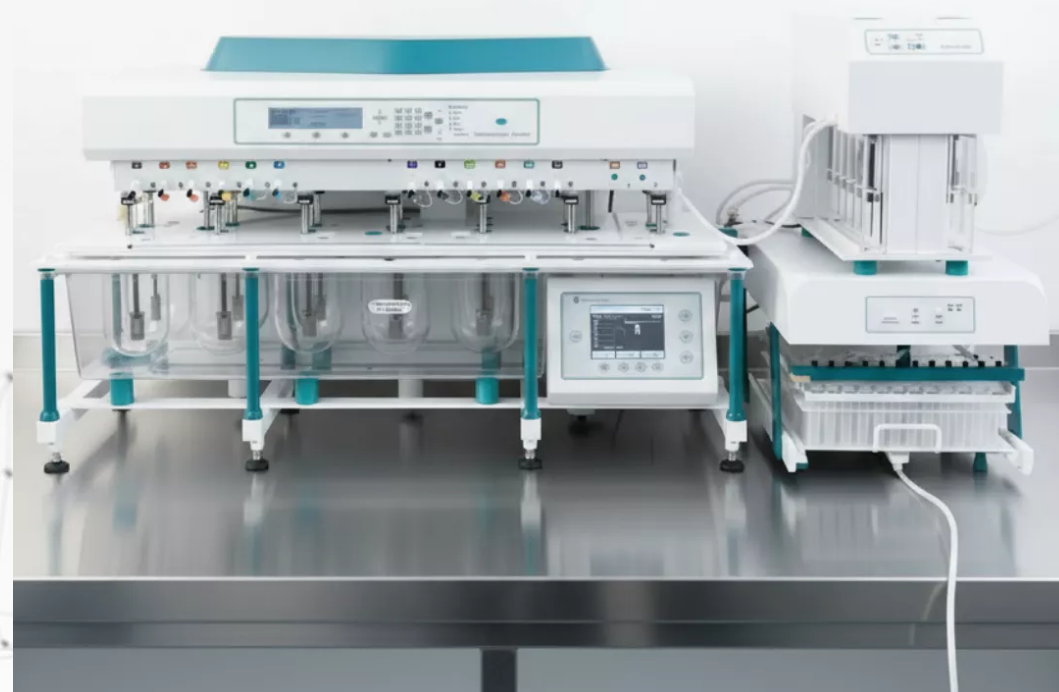




DISSOLUTION TESTER - INSPIRE-14 WITH DC SAMPLE COLLECTOR

The Inspire-14 Dissolution Tester with Dc Sample Collector is a high-throughput 14-station dissolution testing system designed for pharmaceutical QC, method development, and stability studies that require automated sampling and reliable data integrity. It combines precise mechanical performance, flexible sampling control, and validation-ready features to support regulated laboratory workflows.

Fully compliant with USP, IP, Ph. Eur., and JP specifications, the Inspire-14 with Dc is well suited for sustained and controlled-release testing, long test runs, and environments where consistency and efficiency are critical.

APPLICATIONS

The Inspire-14 Dissolution Tester with Dc Sample Collector is suitable for pharmaceutical laboratories requiring high throughput and automated sampling.

- Routine quality control testing of tablets and capsules
- Sustained and controlled-release formulation evaluation
- Method development and verification
- Stability and comparative dissolution studies
- Pharmaceutical QC, R&D, and academic laboratories

FEATURES

Key Features & Benefits

- 14-station dissolution tester with integrated Dc sample collector for automated sampling
- TimeAction™ function enables media changeover and extended or continuous test runs

- Automatic stirrer height positioning for USP Apparatus 1, 2, 5, 6, and intrinsic methods
- Easy Snap-Fit™ shaft locking mechanism ensures secure engagement and wobble-free operation
- Vibration-free motorized lift movement for smooth, repeatable testing
- Clear acrylic water bath with metal top plate for durability and easy observation
- Isolated water circulation pump for stable and precise bath temperature control
- Individual vessel centering system with adjustable instrument leveling
- Multilevel password security with alphanumeric product and user data entry
- Audio-visual system status indicators and power-failure detection for operational reliability
- Auto-drop synchronization and auto dispenser to improve sampling consistency and efficiency

Sampling, Validation & Data Handling

- 20 programmable test protocols
- Up to 24 programmable sampling intervals
- Programmable sample volume from 1 mL to 25 mL
- Online validation reports for tests, monographs, and error logs during operation
- Programmable wake-up feature for temperature readiness prior to testing
- RS-485 / RS-232 connectivity for centralized data handling and printing
- The system is designed to minimize routine validation effort while maintaining reproducible and traceable dissolution results.

TECHNICAL SPECIFICATIONS

Specification	Inspire-08
Model	Inspire-08
Speed range	Variable speed from 20 to 300 RPM
Speed accuracy	±1 RPM

Specification	Inspire-08
Temperature range	20°C to 40°C (Extended range 10°C to 40°C & 20°C to 55°C optional)
Temperature accuracy	±0.1°C
Display	40 × 4 character backlighted LCD
No. of protocols	Maximum 16 of 1 min to 23 hrs, 59 min
No. of samples	Serial port
Sample interval	80 column Dot Matrix printer
Printer interface	RS 485 / RS 232
Printer supported	150 mL, 250 mL, 500 mL, 1 L
Interface port	One-piece moulded clear bath
Vessel capacity	Heater: 1 kW, SS 316 with thermal protection
Water bath	Sensor: RTD
Temperature controller	220/230 VAC, 50/60 Hz, 1.3 kW / 6 Amp (110V also available)
Electrical power	110 VAC, 50/60 Hz, 1.3 kW / 10 Amp
Dimensions (W × L × H)	521 × 1672 × 663 mm
Weight	212 kg



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

