



DISSOLUTION TESTER - INSPIRE-08 WITH SAMPLE COLLECTOR (DC)

The Inspire-08 Dissolution Tester with Sample Collector (Dc) is an advanced 8-station dissolution testing system designed for pharmaceutical quality control, method development, and stability studies. It combines precise mechanical performance with automated sampling to improve repeatability, reduce manual handling, and support regulated laboratory workflows.

Built to comply with USP, IP, Ph. Eur., and JP requirements, this dissolution test apparatus supports flexible vessel configurations, accurate speed and temperature control, and secure data handling for routine and extended dissolution testing.

APPLICATIONS

The Inspire-08 Dissolution Tester with Sample Collector (Dc) is suited for pharmaceutical laboratories requiring automated sampling and consistent dissolution results.

- Routine dissolution 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**

- 8-station dissolution tester with integrated Dc sample collector for automated sampling
- TimeAction™ function enables media changeover and extended or continuous test runs for sustained and controlled-release products
- High-performance BLDC stirrer drive delivers vibration-free, maintenance-free operation
- Automatic stirrer height positioning for USP Apparatus 1, 2, 5, and 6 methods
- Programmable aliquot volumes from 1 mL to 25 mL for flexible dilution at each sampling point
- 20 programmable protocols with up to 24 programmable sampling intervals
- One-piece molded clear or amber water bath with bottom drainage for easy cleaning
- Individual vessel centering system and adjustable instrument leveling
- Smooth motorized lift movement for stable and repeatable testing
- Two-level password security with alphanumeric product and user data entry

- **Sampling, Control & Data Handling**

- Sample collector configuration:
 - Standard: 6 syringes
 - Optional: 8 syringes
- Sample interval range: 1 minute to 999 hours 59 minutes
- PC and LAN connectivity via RS-485 for centralized data storage and report management
- Online validation reports for tests, monographs, and error logs
- Audio-visual system status indicators and power-failure detection for operational reliability

TECHNICAL SPECIFICATIONS

Model	Inspire-08
No. of stations	8
Speed range	20 RPM to 300 RPM
Speed accuracy	± 1 RPM
Temperature range	0 0 20 C to 40 C
0 Temperature accuracy (at 37 C)	0 ± 0.1 C

Display	40 x 4 character LCD	
No. of protocols	20	
No. of samples	24	
Sample interval	1 min to 999 hrs, 59 min	
No. of syringes	Standard : 6, Optional : 8	
Interface port	RS 485	
Stirrer drive	High performance BLDC (maintenance-free)	
Vessel capacity	100 ml, 250 ml, 1 L, 2 L, 4 L	
Water bath	One piece molded clear or amber	
Bath capacity	28 L	
Temperature controller	Heater : 1kW, SS 316 with thermal protection	
	Sensor : RTD	
Electrical power	220/230 VAC, 50/60 Hz,1.3 kW/6 Amp	
	110 VAC, 50/60 Hz,1.3 kW/6 Amp	
Dimensions (W x H x D) :	Basic	Offline Automation System
	124 x 65 x 71 cm	170 x 65 x 71 cm
Weight :	Basic	Offline Automation System
	84 kg	141 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

