

SDT

Dissolution Tester



Flexibility meets Reliability.

The SOTAX SDT is a robust, easy-to-use dissolution tester with 6–8 testing positions. Built-in compliance paired with flexible sampling options and various automation possibilities make the SDT an ideal choice for high throughput labs and R&D departments alike.



sotax.com/SDT



Circular Bath Design for 100% Visibility.

The unique circular bath of the SDT saves benchspace and provides an unobstructed view of all vessels during dissolution tests.

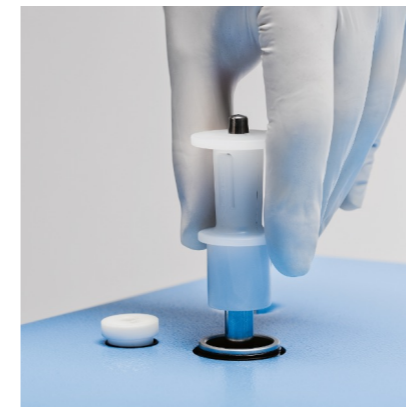
- Excellent observation possibilities
- Optional video monitoring to document the dissolution process individually per vessel
- In-vessel temperature monitoring
- Perform sampling manually with HollowShaft™ and AutoLift™ or seamlessly integrate with the SFC-SR for automated sampling.



Automated Sampling – Lab Efficiency maximized.

Turn your SDT dissolution bath into an automated system by adding the SFC-SR sample manager with integrated syringe pumps.

- 100% automated sampling ensures that samples are taken simultaneously at the right time and with the exact volume
- Automatically replace removed volumes
- Prevent carry-over with the automated end-of-test washing routine to clean all fluidic paths
- Maintain full flexibility to use as manual bath



AutoCompliance™ – Compliant by Design.

Proven to have the lowest wobble rates in the industry, the SDT with built-in AutoCompliance™ ensures regulatory compliance at all times.

- Complies with all international Pharmacopeia such as USP <711>, USP<724>, Ph.Eur. 2.9.3, Ph.Eur. 2.9.4, BP, DAB, CP, JP <15> and more
- Self-centering vessels
- Fixed shaft height with quick-lock mechanism
- 100% security with multi-level user management, user groups, password policies, method version control, and backup & restore

Your Benefits.

- Take samples the same way every time to ensure identical test conditions
- Automation for increasing throughput needs in QC and stability testing labs
- Mimic existing environments with flexible sampling options for comparability
- Ideal for advanced observation requirements in R&D and formulation departments

Simply Userfriendly – Robust and Easy-to-Use.

Intuitive EasyTouch™ operation eliminates long training times and allows operators to quickly start tests using pre-programmed methods.

- Fast and intuitive icon-based navigation
- Users are guided through the setup process
- Countdown and staggered start & sampling supported for manual testing
- Network printing
- Save PDF reports to USB flash drive or to a file share (SFTP) that can be accessed from any computer in the network

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Vessels	Testing positions (stirred)	6 / 7 / 8
Stirring speed	Range	10 – 250 rpm
	Accuracy	± 1 rpm
Temperature	Range	ambient + 5 to 55 °C (optionally up to 70 °C)
	Accuracy	± 1 °C
Temperature monitoring	Bath / Reference vessel	●
	In-vessel monitoring (all vessels)	○
Video monitoring		○
Opening / closing	Manual	●
	Motorized	○
Self-centering vessels		●
Fixed shaft height		●
Dosage form introduction	Tablet drop, manual	●
	Tablet drop, automated	○
	Inlet dimension	15 × 30 mm
Sampling method	HollowShaft™	○
	AutoLift™ (motorized lift-in/out cannulas)	○
	Resident probes	○
	Pipette	○
Automated sampling	With SFC-SR and syringe pumps	○
EasyTouch™	Touch screen	7" touch screen, for use with gloves
	User management	●
	User groups	●
	Password policies / Security settings	●
	Method version control	●
Reporting	Network printing	●
	Save as PDF on USB flash drive	●
	Save as PDF to shared network drive	●
Bath capacity		16.5 litres
Noise emission		<70 dB
Power supply		115 – 230 V, 50 – 60 Hz
Dimensions (W×D×H)		560 × 770 × 940 mm
Weight		56 kg

Sample Manager

SFC-SR

Channels		6 / 7 / 8
Pump	Type	Syringe pump
	Accuracy	●
	Simultaneously on all channels	●
	Pump forward	●
	Pump backward	●
	Self-priming	●
Flow rate	Range	0.1 – 40 mL / min
	Standard setting	15 mL / min
	Accuracy	± 1%
SOTAX racks	# racks	1
	Timepoints	12
	Glass tubes (12 mL / 20 mL)	○
	LC vials (2 mL / 4 mL / 6 mL)	○
Sample outlet	Cannula (Ø 1.47 mm)	○
	Needle (Ø 1.07 mm)	○
Power supply		115 – 230 V, 50 – 60 Hz
Dimensions (W×D×H)		400 × 650 × 650 mm
Weight		29 kg

● included / required
○ optional

Technical specifications are subject to change without prior notice. Products illustrated in this brochure may include options or modifications not fitted as standard. No liability for errors and omissions.