



**EasyDISS TX6 / TX8™**

Tablet Dissolution Testers

EFFICIENT · RELIABLE · EASY TO USE

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### TABLET DISSOLUTION TESTING

In the majority of cases, the effectiveness of tablets or capsules administered orally relies on the drug dissolving in the fluids of the gastrointestinal tract, prior to absorption through the walls of the gastrointestinal tract into the systemic circulation. For this reason, the rate at which a tablet or capsule dissolves is therefore critical to its therapeutic efficiency and is a key factor in both the formulation process and final quality control. The most common apparatus used to measure the dissolution rate of solid dose forms are the basket and paddle. Both use the same basic configuration, are simple, robust and can be used to test a variety of different products.

### RIGGTEK DISSOLUTION TESTERS „easyDISS“

The Dissolution Tester Series „easyDISS“ represents reliable, easy to use technology in tablet testing. CNC production techniques combined with modern microprocessor design, guarantee the highest standards of performance and reliability. All RIGGTEK dissolution testers meet the latest specifications as laid down in the European, United States and associated Pharmacopoeias. Efficient and extremely compact, the Tablet Dissolution Testers easyDISS TX6 and TX8

are rugged „no-nonsense“ units having six or eight stirred test vessels and simple, easy to use controls. They are ideal for both R&D and quality control applications. The design of the units has been based on those features that you, the user, advised us as being essential to the „ideal“ dissolution tester. The RIGGTEK Dissolution Testers easyDISS TX6 and TX8 offers:

- Sturdy, robust construction specifically designed to reduce clutter and maximise visibility and access in the critical sampling area above the water bath.
- Simple, easy to use operation ensuring that the number of operations required to perform a test are kept to a minimum.
- Certificate of Compliance to USP/Ph.Eur.: Included with each unit. Written statement that the product, by design, complies with the current pharmacopeial specifications.
- Laser Numbering and Certification: Identification and measurement of critical components to provide documented verification of compliance with current pharmacopeial specifications is available as an option.
- Individual clutches enable each individual basket/paddle to be raised, lowered or engaged independent of the drive head. This feature is particularly useful in the case of staggered drops and at the end of the test





allows the baskets/paddles to be pushed upwards to gain maximum accessibility to the vessels.

- Screw-in baskets/paddles/rotating cylinders allow method changes in seconds.
- All RIGGTEK dissolution testers are supplied with USP/Ph.Eur. compliant vessels and feature the unique „Easy Centre“ system to ensure that the vessels are perfectly centered.
- One piece PETG water bath with built in drain trap; no leaks; easy to remove and clean.
- Digital heater/circulator with over-temperature and low-level cut-out indicator. Easily removed for maintenance. Independent and separate at the easyDISS TX8. Integrated at the easyDISS TX6 – the heater of easyDISS TX6 is fitted with a special low vibration impellor which in comprehensive tests has proved to be equal to or less, in terms of vibration measurements than an independent heater/circulator.
- Protocol print-outs by parallel or USB ports.
- RS232 Interface allows communication with external devices as the RIGGTEK Dissolution Sampler.
- Full supporting documentation.

#### OPTIONS AND ACCESSORIES



The easyDISS Dissolution Testers can be equipped with several options and accessories and will so meet your individual needs. Options and accessories are for example:

- Laser numbering for shafts, vessels, paddles, baskets, etc.
- Teflon coated baskets/paddles.
- Amber coated UV-Resistant vessels and vessel covers.
- Low evaporation vessel covers.
- Automatic Tablet Drop System.
- Paddle Over Disk according USP5 Chapter <724> or Ph.Eur. under Chapter 2.9.4. Method 1 as ‘Disk Assembly Method’.
- Rotating Cylinders according USP6, Ph.Eur. Chapter 2.9.4. Method 3.
- Small Volume Conversion Kits with 100 or 200mL capacity with appropriate mini-paddles are available for low dose formulations.
- Intrinsic Dissolution Kit.

Many more options and accessories are available, please feel free to ask.

The easyDISS Dissolution Tester is your ideal partner which you can rely on every day, saving time by easy operation, maintenance and qualification.

## SPECIFICATIONS

UNIT	easyDISS TX6	easyDISS TX8
		
<b>DIMENSIONS</b>		
Main unit:	W 65cm x D 45cm x H 70cm	W 65cm x D 45cm x H 70cm
Heater:	W 12cm x D 23cm x H 25cm heater within the main unit's dimensions	W 26cm x D 30cm x H 15cm
<b>WEIGHT</b>	51 kg (water tank empty) 63kg (water tank filled)	51 kg (water tank empty) 63kg (water tank filled)
<b>VOLTAGE SUPPLY AND POWER RATING</b>	220-240 V 50/60 Hz, 1400W incl. heater, 100W max. without Heater: 1250W integrated / removable, digital	220-240 V 50/60 Hz, 1150W incl. heater, 100W max. without Heater: 1100W external, digital
<b>FUSES</b>	1x 6,3A & 1x 2A (230V) T Type 1x 15A & 1x 4A (115V) T Type	1x 6,3A & 1x 2A (230V) T Type 1x 15A & 1x 4A (115V) T Type
<b>ENVIRONMENTAL CONDITIONS</b>	15 to 30°C (Minimum 10°C below the test temperature) 10 to 85% humidity, non-condensing	15 to 30°C (Minimum 10°C below the test temperature) 10 to 85% humidity, non-condensing
<b>INTERFACES</b>	USB, RS-232, Centronics (LPT parallel),	USB, RS-232, Centronics (LPT parallel),
<b>HEATING RANGE</b>	Ambient + 5 - 50°C	Ambient + 5 - 50°C
<b>TEMPERATURE STABILITY</b>	+ / - 0,25°C	+ / - 0,1°C
<b>OVER-TEMPERATURE PROTECTION</b>	50-55°C (by second thermostat)	50-55°C (by second thermostat)
<b>TEMPERATURE PROBE</b>	Model PT100 Compliance: DIN 751 for class A devices Tolerance: + / - 0,2°C Instrument Reading: + / - 1 digit	Model PT100 Compliance: DIN 751 for class A devices Tolerance: + / - 0,2°C Instrument Reading: + / - 1 digit
<b>SPEED RANGE</b>	50-200 rpm	50-200 rpm
<b>SPEED CONTROL</b>	digital closed loop circuitry with automatic checking compensating, + / - 2% accuracy	digital closed loop circuitry with automatic checking compensating, + / - 2% accuracy