



# DisiTest 20 Disintegration Tester

- Two independent testing stations
- Self-centering baskets with magnetic coupling
- Powerful and precise heater & circulator
- Simple operation and easy cleaning

# DisiTest 20

The DisiTest 20 is a very easy-to-use disintegration tester with two independent stations. It has been specifically designed for use in the quality and production control of normal, plain coated, delayed release coated tablets and gelatin capsules in full compliance with current Pharmacopeia regulations. Simple operation, reliable mechanics and high-end key components make the DisiTest 20 the most user-friendly and reliable disintegration tester in its class.

- 2 independent stations
- Each station can be controlled, started and stopped individually
- Baskets lower/raise automatically at start/completion of a test
- Pause & Resume test function to visually check disintegration status
- Large universal icon-based display for temperature control
- Integrated display with simple control buttons for each station
- High-end basket design with self-centering magnetic coupling
- Rigid one-piece water bath with rounded corners for easy cleaning
- Precise temperature control with state-of-the-art immersion heater/circulator
- Powerful circulation ensures +/- 0.07°C temperature stability
- Built-in bath temperature sensor
- Integrated electronic calibration functions
- DIN 12876-1 Class 1 safety rating
- Fully USP (chapters 701 and 2040) and EP (chapter 2.9.1) compliant design



→ DisiTest 20  
Disintegration Tester

# Simplicity maximized

## User-friendly operation

Using intuitive language-independent buttons, the number of operator actions necessary to perform a test are kept to a minimum. Testing time can be quickly set in hours:minutes (hh:mm) or minutes:seconds (mm:ss) mode. Thereafter, it is only necessary to press the start key to automatically lower the basket into the test medium and begin or repeat a test. During testing, elapsed time or remaining time is displayed. If required, the test can be paused to visually check the disintegration status. Paused tests can be resumed in case not all tablets have disintegrated. When the set testing time has been reached, the basket automatically raises out of the test medium. To alert the operator on completion of a test, an audible alarm signal is given.

## Easy handling

From test setup to cleaning – the DisiTest 20 has been optimized for fast and ergonomic handling. The robust baskets with self-centering magnetic coupling can be conveniently exchanged within seconds and are very easy to clean. To ensure a long product life, baskets are sealed and protected against corrosion.

## Temperature control

The DisiTest 20 incorporates a powerful immersion heater/circulator module with adjustable flow that guarantees highest temperature stability ( $\pm 0.07^{\circ}\text{C}$ ) of the water bath. Currently measured temperature and set target temperature are continuously displayed on the integrated 3.25" LCD screen. Three control buttons and on-screen prompts make setup and operation easy and straightforward. To simplify cleaning, the entire module can be quickly removed.

## A safe investment

User-settable high-temperature safety prevents overheating and provides low-liquid level protection. The unique design of the combined heater / circulator module with DIN 12876-1 Class 1 safety rating features an integrated pump and heater coil protection. Electronic calibration functions for temperature and stroke height are readily available and ensure full regulatory compliance.



→ Self-centering basket with magnetic coupling



→ Immersion heater/circulator module with integrated temperature sensor

## Technical Specifications

DisiTest 20, Disintegration tester		
<b>Stations</b>		2 (independent)
<b>Strokes per minute</b>	Frequency	30
	Accuracy	+/- 1
<b>Stroke height</b>	Height	55 mm (2.17 inch)
	Accuracy	+/- 2 mm (0.079 inch)
<b>Temperature</b>	Range (programmable)	25–40°C (recommended working range)
	Stability	+/- 0.07°C
<b>Display</b>	(immersion heater)	3.25" LCD
	(drive unit)	LED (2 displays)
<b>Volume water bath</b>		8l
<b>Power supply (immersion heater)</b>	EU-Standard	230 V/50 Hz, 1.1KW
	US-Standard	115 V/60 Hz, 1.1KW
<b>Safety (immersion heater)</b>	Flammability class	DIN 12876-1 Class 1
	Failsafe heater control	Yes, over-temperature protection
	Low liquid level protection	Yes
<b>Power supply (drive unit)</b>		110–240 V, 50–60 Hz
<b>Weight (without packaging)</b>		approx. 19kg (41.3 lbs)
<b>Dimensions</b>	Width	381 mm (15 inch)
	Height	381 mm (15 inch)
	Depth	279 mm (11 inch)
<b>CE Conformity</b>	The DisiTest 20 fully complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility.	

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.

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Pharmatron AG | Uttigenstrasse 28 | CH-3600 Thun | Switzerland  
 P +41 (0)33 227 50 00 | F +41 (0)33 227 50 01 | info@pharmatron.ch  
 www.pharmatron.com