

Technical data sheet

8-Vessel Touchscreen Dissolution Tester

PT-D8T is an eight-vessel dissolution tester with an electrically lifted head and touchscreen control. Stored programs support repeat testing, while sampling timers help operators follow a defined sampling schedule.

Key features

- Electric head lift and automatic shaft-to-vessel alignment
- Ten stored programs with up to twelve sampling time points each
- SD-card data storage and transfer
- Overtemperature alarm and heater cut-off above 47 °C

Technical Information

Vessel / shaft positions	8 / 8
Speed range	25-250 rpm
Speed resolution	1 rpm
Speed accuracy	$\leq \pm 4\%$
Bath temperature range	Ambient to 45 °C
Temperature resolution	0.1 °C
Temperature control accuracy	$\leq \pm 0.3$ °C
Paddle wobble	$\leq \pm 0.5$ mm
Basket wobble	$\leq \pm 1$ mm
Shaft-to-vessel axis deviation	≤ 2 mm

Detailed operating information

Program memory	10 programs, each with up to 12 sampling time points
Maximum programmed interval	24 h 59 min
Continuous operation	48 h
Scheduled functions	Preheating and stop
Temperature protection	Heating cut-off above 47 °C
Materials	316 stainless-steel paddle/basket shafts and basket body
Data handling	SD-card storage and transfer to a computer for printing
Access	User access management

The electrically lifted head uses linear bearings. Vessel covers reduce evaporation, and automatic centering supports vessel positioning. An integrated temperature probe and software temperature correction are described.

Settings are retained for the next start. Operating parameters can be changed during a run. Sampling time points are timing functions; they do not establish that an automatic sample collector is included.

Confirm the supplied shafts, baskets, vessels, SD card, printer connection and access-control configuration in the quotation. The stated temperature range starts at ambient temperature; active cooling is not established.

Standard Configuration

The base instrument has 8 vessel positions. Confirm vessel volumes, shafts, baskets, covers and the complete supply list against the quotation; supported methods do not mean every accessory is included.

Optional Accessories

Specify method-specific baskets, shafts and other accessories in your inquiry. Availability and inclusion must be confirmed. Automatic sample collection is not established by the base instrument specification.

Applications

Laboratory dissolution testing of pharmaceutical dosage forms. Select the paddle, basket or other supported method with its required vessel and accessory configuration. Confirm the applicable method and edition.

Selection / Ordering Information

Provide test method, vessel volume, dosage form, quantity, destination and required documentation. Confirm power supply, plug type and any country-specific configuration before ordering. Audit-trail functions alone do not establish regulatory compliance.

Related instruments

PRECETTA PT-D12S

Review the configuration with PRECETTA before ordering.