

Technical data sheet

Dual-Basket Disintegration Tester

PT-DT1 supports 2 basket stations for timed tablet and capsule disintegration tests. Controlled bath temperature and a defined reciprocating stroke support repeatable test conditions.

Key features

- Left and right baskets can run independent tests
- Adjustable 37 °C temperature and 15-minute time presets
- Temperature correction and overtemperature protection

Technical Information

Basket stations	2
Basket movement frequency	30-32 cycles/min
Stroke	55 ± 1 mm
Bath operating temperature	Ambient to 40 °C
Temperature resolution	0.1 °C
Temperature control accuracy	±0.3 °C
Timer range	≤ 10 h
Standard mesh aperture	2 mm
Power consumption	550 W
Dimensions	420 × 300 × 480 mm
Approximate weight	14 kg

Standard Configuration

Instrument with 2 basket stations and 2 mm mesh as the stated standard. Confirm beakers, discs and the full accessory list against the selected method and quotation.

The timer displays minutes. The specified distance from the mesh to the beaker bottom is 25 ± 2 mm. Listed power consumption includes the heater. The preset temperature is 37.0 °C and the preset duration is 15 minutes; both can be changed. Temperature correction and automatic overtemperature protection are described.

Optional Accessories

Optional mesh apertures: 1 / 0.71 / 0.425 mm. Confirm the screen required by the method.

Applications

Laboratory disintegration testing of tablets and capsules. Match the basket, screen, medium, temperature and endpoint procedure to the applicable method.

Selection / Ordering Information

Specify basket count, dosage form, mesh aperture, test duration and documentation requirements. Confirm power supply and required accessories. Temperature setpoints below ambient do not establish active cooling capability.

Review the configuration with PRECETTA before ordering.