



DT 2 Manual Disintegration Tester

- Flexible basket assembly with two independent stations
- Automatic lift-in / lift-out option
- Manual determination of individual disintegration end-points
- Precise temperature control
- Complete reporting including statistics



→ Basket rack assemblies for apparatus A and apparatus B methods



→ Manual determination of individual disintegration end-points

Technical Specifications

| | |
|------------------------|--------------------------------|
| Basket-rack assemblies | 2 |
| Strokes per minute | 31 +/- 1 |
| Height of stroke | 55 mm |
| Temperature | 20 – 45°C +/- 0.2°C |
| Power | 230 V / 50 Hz or 110 V / 60 Hz |
| Interfaces | RS-232-C, Parallel |
| Width / depth / height | 370 x 410 x 550 mm |
| Weight | ca. 23 kg |

Flexible basket assembly

The user-friendly DT 2 unit is equipped with two independent basket assemblies allowing each position to be controlled, started and stopped individually. Methods can be stored and used individually on each station. The DT 2 is fully compliant with USP / EP / JP requirements and can run apparatus A methods (6-tube baskets) and apparatus B methods (3-tube baskets for dosage forms > 18 mm).

Automatic lift-in / lift-out option

The lifting mechanism lowers the basket assembly automatically into the beaker at test start. Baskets can be lifted out either at test end (pre-set test time), at a user determined end-point (test hold time is recorded), or after a pre-set run-time for pH change. An acoustic signal indicates completion of each pre-set run-time.

Manual determination of individual disintegration end-points

The device allows the user to manually take either a "single" test (disintegration time of each tube individually) or an "all" test determining only the complete disintegration time of all tubes.

Precise temperature control

An integrated heating system guarantees a precise temperature of the test medium at all times. The temperature of the test media is shown on the display in real-time. During the test, the media temperature is constantly monitored and recorded by a temperature probe on the basket rack assembly. The integrated double temperature control system provides the most precise results. Temperature setting and calibration are controlled by the firmware.

Complete reporting

A print-out of the test report includes:

- test device information (device type, firmware version, serial number)
- method data (method number, test time, temp, and specifications)
- test protocol (test date and time, test hold times, temperature statistics)
- test results (end-points)
- end-point statistics

Validation and qualification

The DT 2 is manufactured from high quality materials and requires minimal maintenance. The relevant qualification documentation (IQ / OQ) can be supplied with the device. Complete system validation and qualification can also be provided by the SOTAX Global Service Network.