

Dissolution Tester DT 820 Series

Dissolution Tester USP Apparatus 1, 2, 5 and 6



ERWEKA DT 820 series offers advanced intelligence and features for stand-alone operation or for control of complete dissolution off-line sampling system. It allows storage of up to 100 product test-run parameters which can be interchanged between various DT 820's by USB memory stick.

It DT 820 series can be equipped with 6, 7 or 8 test stations and be used in standard High-Head or Low-Head mode. It offers an OQ traffic light to show USP/EP compliance as well as an external temperature sensor for checking the water bath.

The water bath is designed for easy access and cleaning and is made of non-leaking PET.

Dissolution

USP Apparatus 1,2,5,6

The DT 820 Series Highlights:

- Three locking positions for High-Head, Low-Head and cleaning position offer highest flexibility
- Easy and fast handling of the drive head height by manual lifter with gas strut support
- Easy programming by alpha-numeric touch-sensitive foil keypad
- Integrated system suitability test menu with documentation print out of temperature and rotational speed
- Automatic self-check of the temperature in the bath/vessel before test start
- External high power flow through heater with no vibration to the dissolution tester
- Pre-heating function, programmable for each weekday
- Calibration routine for temperature sensor and heater
- Quick exchange of stirring methods using same shafts
- One-piece moulded non-leaking PET water bath with outlet valve
- Non-corrosive construction (plastics, alloys, fluoro-polymers)
- pH change routines, menu guided
- Print out of documentation
- User management, password protected
- Optimal vessel access and easy cleaning
- Independent external PT 100 temperature sensor



Easy to clean one-piece moulded water bath with outlet valve



The DT 820 series comes with built-in intelligence like large memory and system suitability tests

DT 820 Series



Specifications

Dissolution tester for USP methods 1 (basket), 2 (paddle), 5 (paddle-over-disk) and 6 (rotating cylinder) with 6, 7 or 8 test stations (826, 827, 828)

100% USP/EP/JP compliant

Fulfills all specifications in accordance with FDA "Mechanical Calibration"

Evaporation less than 1% during 24 h (37°C / 50 rpm / 1000 ml)

USB-A printer interface (for selected printers)

Product memory for storage of up to 100 monographs

Rotational speed 25-200 rpm \pm 2rpm

Heating range: 30-40°C (\pm 0,5°C)

5.7" Dot-matrix (320 x 240) display

OQ traffic light for display of USP / EP compliance of the unit

Acoustic and optic reminder of manual sampling (29 intervals)

Dimensions: 830 mm (width incl. heater) / 640 mm (depth) / 940 mm (height) / 47 kg (weight)

Options

- ✓ Automatic tablet drop magazine with control of temperature tolerance (USP) before drop
- ✓ USP compliant sampling station with automatic height adjustment of the USP sampling points
- ✓ Illumination of bath (white LEDs) for better visibility of the samples
- ✓ External cooling device with independent operation
- ✓ Upgrade for control of offline sampling dissolution system
- ✓ Video monitoring and recording
- ✓ Clear or amber glass vessels, various sizes
- ✓ Paddles, baskets, discs for paddle-over-disc, rotating cylinders, enhancer cell, intrinsic dissolution, felodipine baskets, suppository baskets, extraction cell
- ✓ Dissolution qualification tool kit
- ✓ IQ/OQ/PV documents
- ✓ IQ/OQ/PV service
- ✓ Maintenance service



Electronic temperature sensor for permanent check of bath temperature



The DT 828 with optional automated sampling station controls offline system

Technical specifications of products described are stated without warranty and subject to change any time without further notice.

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