

Dissolution Tester DT 1610 Series

Dissolution Tester USP Apparatus 1, 2, 5 and 6

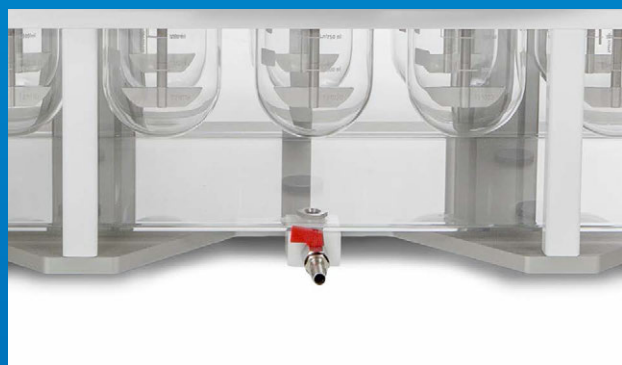
The ERWEKA DT 1610 series offers advanced intelligence and features for stand-alone operation or control of complete dissolution offline systems. It allows storage of up to 60 product test-run parameters. The DT 1610 series is based on the DT 820 series and can be equipped with 12, 13 or 14 test-stations arranged in two rows. It can be operated in High-Head and 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. Due to the configuration the unit offers to test two different batches of the same product or two different products with the same dissolution parameters at the same time.



The DT 1610 Series Highlights:

- Dissolution tester with 12,13 or 14 test stations
- Three different locking positions for High-Head, Low-Head and cleaning position of test head
- Low-Head mode for quick and convenient closing of the vessel
- High-Head mode for maximum access to each vessel
- Optimized cover design for lowest evaporation
- Easy and fast lifting of the drive head by manual lifter with gas strut support
- Easy programming via alpha-numeric touch-sensitive foil keypad
- Integrated system suitability test with documentation print out of temperature and rotational speed
- Automatic check of the temperature in the bath / vessel before test start
- External, independent flow-through heater
- Pre-heating function, programmable for each weekday
- Calibration routine for temperature sensor and heater
- Quick exchange of stirring methods using same shafts
- pH change routines, menu guided
- Print out of test protocol
- User management, password protected
- Optimized vessel access and easy cleaning
- Independent external PT 100 temperature sensor



Easy to clean acrylic water bath with outlet valve



The DT 1610 Series comes with built-in intelligence for full system control

DT 1610 Series



Specifications

Dissolution tester for USP methods 1 (Basket), 2 (Paddle), 5 (Paddle over Disk) and 6 (Rotating Cylinder) with 12, 13 or 14 test stations (DT 1612, DT 1613, DT 1614)

100% USP / EP / JP compliant

Fulfills all specifications in accordance with FDA "Mechanical Calibration"

5.7" display, alpha-numeric touch-sensitive foil keypad

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

Lifter column with gas strut support for effortless lifting and lowering of the drive head

USB-A printer converter

Product memory for storage of up to 60 methods

Rotational speed 20-220 rpm \pm 4 %

External, independent high-power heater, heating range: 30 - 50 °C, even distribution of temperature

Wobble less than 0.5 mm (paddles)

Standard manual tablet drop magazine for max. 14 samples

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

Acoustic and optic reminder of manual sampling point (29 intervals)

RS 232 interface for PC connection

Options

- + Automatic tablet drop magazine with temperature check (according USP) before drop
- + USP compliant sampling station ASS-14 with automatic height adjustment of the USP sampling points
- + Upgrade for control of offline sampling dissolution system (i-version)
- + Offline components (pump, sample collector)
- + Vessels 1000 ml, 2000 ml, glass or amber glass (UV protected), 400 ml glass vessels
- + Paddles, baskets, discs for paddle-over-disk, rotating cylinders, enhancer cell, intrinsic dissolution, felodipine baskets, suppository baskets, extraction cell, USP "japanese sinker"
- + Dissolution qualification tool kit for mechanical calibration according FDA
- + IQ / OQ / PV documents, IQ / OQ / PV service
- + Maintenance service



The DT 1610 series with optional automated sampling station controls a complete offline system (with IPC peristaltic pump and FRL sample collector) without the need for a PC.