



DIGITAL DISSOLUTION TESTER

DT 9510 SERIES



The ERWEKA DT 9510 series is the "big brother" of the DT 950 series of digital dissolution testers.

Controlled by the same integrated PC, all components of the DT 9510 are designed for reliable, high-volume digital dissolution testing: The test stations (up to 14) are driven by a single, powerful motor and the large water bath keeps the temperature stable due to the thermal inertia of the water. This ensures that parallel testing of two batches of samples can be performed under exactly the same conditions, making the comparison between the two as reliable as possible and 100% USP / EP compliant.

With the new optional AirLift system, the dissolution head of the DT 9510 can be raised and lowered by simply pressing two buttons. In addition, the DT 9510 series has the same features as its smaller sibling - digital dissolution testing is done using the latest version of the TestAssist testing tool, and samples can be automatically dropped into the vessel.

100%

**100% USP / EP / JP
Compliant**



**USP Methods 1, 2, 5
and 6**



**Intuitive Touch
Interface**



**Audit Trail – Full 21 CFR
Part 11 compliance**

DIGITAL DISSOLUTION TESTER DT 9510 SERIES

KEY FEATURES

The digital embedded PC technology offers all the advantages and unlimited possibilities of modern software programming and makes both the DT 950 and DT 9510 more future-proof than ever before. In the first step, this means simple network printing and a modern user interface. In the future, further functions will be added to the DT 950 and DT 9510 series, allowing it to constantly adapt to user requirements and future Industry 4.0 developments.

The modern user interface keeps the user focused on the most important function of the DT 950 and DT 9510: the dissolution test.

- | TestAssist, the intelligent guide for dissolution tests
- | DirectHelp, direct on-screen help at the touch of a button
- | Multilingual operation in English, French, Spanish, Italian, and German

The hardware of the DT 950 and DT 9510 series enables a step-by-step upgrade from a manual dissolution tester to a semi-automatic online, offline or on-/ offline system.

- | Upgrade to up to 14 test stations
- | Optional, automatic tablet drop
- | ASS-9 automatic sampling station

With the DT 9510, ERWEKA is introducing the AirLift system. The AirLift makes it easy to raise and lower the large dissolution head of the DT 9510.

In addition to raising and lowering the head, the AirLift is also extremely safe to use thanks to its two-hand safety system. With one hand, the operator presses one of the two buttons on the right-hand side to select either the downward or upward movement. With the other hand, the operator confirms the selection by pulling the unlocking lever directly in front of the touch screen. As soon as one of the two buttons is released, the AirLift stops immediately. This is highly intuitive without compromising the operator's safety.

AUDIT TRAIL, METHOD MANAGEMENT, AND MORE FUTURE-READY SOFTWARE FEATURES

The ERWEKA DT 950 / DT 9510 is developed to meet the requirements for compliance and data management for modern laboratories. Its integrated Audit Trail records all user and system actions in detail, including user, time stamp, event, reason for changes, and parameter modifications with old and new values, ensuring complete traceability.

Method Management & Approval allows authorized users to create, edit, and approve methods, while User Management provides secure access control with tailored permissions. The Backup & Restore function enables all important data—including methods, user profiles, reports, settings, and audit entries—to be backed up and restored via USB stick, with every event logged for transparency.



NETWORK PRINTING EXPLAINED

LAN NETWORK & USB PRINTING CAPABILITIES

The technology platform of the DT 950 / DT 9510 enables the convenient use of network printers from many different manufacturers. Thanks to a practical printer setup, the LAN-connected DT 950 / 9510 finds all printers in the network. Simply select the correct driver from a list and the DT 950 / DT 9510 reliably prints via the selected printer.

The DT 950 / DT 9510 can currently print on network and USB printers from Hewlett-Packard, Kyocera and OKI. Both systems also support USB printers from Brother. Further printers will follow shortly.



UNLIMITED UPGRADEABILITY - AT ANY TIME

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Our world is constantly changing - that's why ERWEKA has developed a dissolution tester that is already well equipped for the challenges of tomorrow. After the initial purchase, the DT 9510 can also be upgraded further - including from 12 to 14 test stations, with an automatic tablet drop or an automatic sampling station. The high degree of modularity makes it possible to quickly turn a 12-station stand-alone DT 9512, for example, into the heart of a complete dissolution HPLC On-/ Offline System with 14 test stations and Disso.NET 4 software. This means that the DT 9510 remains flexible throughout its entire life cycle. After all, who knows what challenges await in a few years' time?

DT 9510 SERIES BASE DEVICE



- | Extension to up to 14 test stations
- | Automatic tablet drop
- | USP methods 1, 2, 5 and 6
- | Automatic sampling station (low-head or high-head)
- | 100% USP / EP / JP conform dissolution testing
- | User management, method memory & temperature measurement for each vessel, FTP data export (e.g. for LIMS), updateable via USB
- | Audit Trail – Full 21 CFR Part 11 compliance

DISSOLUTION OFFLINE SYSTEM



- | Automatic sample collection with our FRL sample collector
- | IPC or PVP pump
- | Control via PC with Disso.NET 4, Audit Trail and MySQL database
- | 21 CFR part 11 compliant
- | 100% USP / EP / JP conform dissolution testing
- | User management, method memory & temperature measurement for each vessel, FTP data export (e.g. for LIMS), updateable via USB
- | Audit Trail – Full 21 CFR Part 11 compliance

DISSOLUTION ONLINE SYSTEM



- | Automatic UV/Vis analysis with spectrophotometer
- | Control via PC with Disso.NET 4, Audit Trail and MySQL database
- | IPC or PVP pump
- | 21 CFR part 11 compliant
- | Direct data evaluation in the software
- | 100% USP / EP / JP conform dissolution testing
- | User management, method memory & temperature measurement for each vessel, FTP data export (e.g. for LIMS), updateable via USB

DISSOLUTION ON-/ OFFLINE SYSTEM



- | Dissolution HPLC On-/Offline System or Dissolution On-/Offline System with UV/Vis
- | Control via PC with Disso.NET 4, Audit Trail and SQL database
- | 21 CFR part 11 compliant
- | Automatic HPLC or UV-Vis analysis with sample collector
- | With HPLC: Automatic hand-off of the sample to the HPLC analysis
- | 100% USP / EP / JP conform dissolution testing
- | User management, method memory & temperature measurement for each vessel, FTP data export (e.g. for LIMS), updateable via USB

FLEXIBLE DEVICE FOR NUMEROUS APPLICATIONS

PRODUCT HIGHLIGHTS



100% USP / EP / JP Compliant

Like all ERWEKA products, the DT 950 / DT 9510 series is 100% USP / EP / JP compliant.



High-Head & Low-Head Mode

For easy access to the vessels and simple manual sampling



USP Methods 1, 2, 5 and 6

Use of a variety of attachments for different USP methods due to the standardized shaft design



Audit Trail

Fully integrated Audit Trail with filtering & export functions, developed to meet the requirements of 21 CFR Part 11



External Heater

The external flow-through heater reduces the influence of external vibrations and ensures a constant temperature



User & Method Management

The DT 950 / DT 9510 features a built-in user management to create new users with specific rights. Additionally, the device is equipped with a Method Management menu to create, edit or approve methods for later usage in TestAssist.

OPTIONS

- | Automatic tablet drop magazine features
- | temperature tolerance control (USP) before dropping
- | Better sample visibility thanks to water bath illumination with white LEDs
- | External cooling device with autonomous operation
- | Upgradeable to an offline resolution system with Disso.NET
- | Video monitoring / recording via Disso.NET
- | Paddles, baskets, discs for paddle-over-disc, rotating cylinder, enhancer cell, intrinsic dissolution, felodipine baskets, suppository baskets, extraction cell
- | Dissolution qualification tool kit
- | IQ / OQ / PV documents
- | IQ / OQ / PV service
- | Maintenance service

DISSOLUTION TESTER DT 9510 SERIES

TECHNICAL DATA

Weight	110 kg
Dimensions (H x W x D)	850 x 1062 x 650 mm
Voltage	115/230 V; 50/60 Hz
Speed	20-250 U/min
Vessel volume	400 ml / 1000 ml / 2000 ml
Interfaces	1x RS-232, 2x USB, 2x Ethernet/RJ45
Test stations (DT 9512)	12 in 2 rows
Test stations (DT 9513)	13 in 2 rows
Test stations (DT 9514)	14 in 2 rows
USP methods	USP 1 / USP 2 / USP 5 / USP 6
Fuses	2 A
Protection class	I/EN 61140
Protection type	IP 21/IEC 529
Operation	Touchscreen 7", 800x480 Pixel
Sampling positions	High-head / Low-head / Cleaning mode
Ambient temperature during operation	+10 °C to +30 °C (ambient temperature min. -5 °C below set temperature)
Storage & Transport temp.	+5 °C to +40 °C
Relative humidity	25-80 % non condensing