



DIGITAL DISSOLUTION TESTER

DT 950 SERIES

www.erweka.com/products/dissolution-testers/usp-1-2-5-6-single-devices/dt-950/

DT 950 SERIES

DIGITAL DISSOLUTION TESTER

The ERWEKA DT 950 is an advanced digital dissolution tester, designed to meet today's standards and seamlessly adapt to future needs.

Equipped with state-of-the-art embedded PC technology, the DT 950 features a 7-inch touch display, an intuitive user interface, and a fully integrated Audit Trail for 21 CFR Part 11 compliance—ensuring traceability, data integrity, and regulatory adherence at every step.

With ERWEKA TestAssist, users are guided step by step through test configuration, guaranteeing only compliant parameters are entered for precise, USP / EP / JP compliant dissolution testing.



The DT 950 also offers comprehensive Method Management, allowing users to easily create, edit and approve methods, as well as structured User Management for secure and flexible access control and rights management. Data export to FTP servers enables smooth LIMS connectivity, while advanced IT security features protect sensitive data.

Beyond its modern interface, the DT 950 is built for long-term flexibility. The system can be upgraded—such as from 6 to 8 test stations, with automatic tablet drop or temperature sensors for each vessel, and easy switching between low-head and high-head modes. Regular software updates add new features and functionalities, making the DT 950 truly future-proof. With these innovations, the DT 950 delivers reliable, compliant, and efficient dissolution testing for modern laboratories.

DT 950 SERIES

KEY FEATURES

DIGITAL EMBEDDED TECHNOLOGY

The digital embedded PC technology offers all the advantages and unlimited possibilities of modern software programming and makes the DT 950 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 series, allowing it to constantly adapt to user requirements and future Industry 4.0 developments.

MODERN USER INTERFACE WITH TESTASSIST

The modern user interface of the DT 950 keeps the user focused on the most important function: 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

UPGRADE YOUR DT

The newly developed hardware of the DT 950 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 8 test stations
- | Optional, automatic tablet drop
- | ASS-9 automatic sampling station

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BENEFITS



FUTURE-READY SOFTWARE FEATURES

Audit Trail, Method Management, and More | The ERWEKA DT 950 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.



DT 950 SERIES TOUCH INTERFACE

1-2-Test! | The touch interface of the DT 950 centers the user's attention on the most important task to be performed with the DT 950: dissolution testing. The central component is the TestAssist, an intelligent assistant with real-time feasibility checks, which provides support and ensures that the parameters entered conform to USP / EP / JP. This makes dissolution testing easy and safe.

In addition to the TestAssist, all other features, such as the control panel, the qualification menu or the service menu, are designed to connect users and hardware as quickly as possible.



LAN NETWORK & USB PRINTING CAPABILITIES

Network Printing Explained | 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.

DISSOLUTION TESTING IN 3 SIMPLE STEPS

TESTASSIST

**TESTASSIST – DISSOLUTION TESTING EASIER THAN EVER**

The touch interface of the DT 950 centers the user's attention on the most important task to be performed with the DT 950: dissolution testing. The central component is the TestAssist, an intelligent assistant with real-time feasibility checks, which provides support and ensures that the parameters entered conform to USP / EP / JP. This makes dissolution testing easy and safe.

**HELP, ANYTIME**

Each input field has a quickly accessible help function. If it is unclear what should be entered in the field, the help function can be triggered by clicking on the question mark symbol right next to it. This function is available throughout the ERWEKA OS, so that information can be obtained at any time.

**DEUTSCH, ENGLISH, ESPAÑOL, FRANÇAIS, ...**

The modern architecture of the ERWEKA operating system supports a wide range of languages (including German, English, Spanish, French, Italian), making the DT 950 the most accessible device ERWEKA has ever developed, anywhere in the world.

**DIRECT ACCESS FOR CUSTOMER SERVICE**

The service menu provides the user with direct access to the DT's most important hardware functions and information. The serial number and software version can be quickly retrieved for service cases, and maintenance can be carried out more quickly and efficiently.

**QUALIFICATION MADE EASY**

Thanks to the new qualification function, qualifying the DT 950 is very easy. Simply call up the qualification menu and follow the instructions.

DT 950 SERIES

UNLIMITED UPGRADEABILITY – AT ANY TIME



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 950 can also be upgraded further - including from 6 to 7 or 8 test stations, with an automatic tablet drop or an automatic sampling station.

**DT 950 SERIES BASE DEVICE**

- | Extension to up to 8 test stations
- | USP methods 1, 2, 5 and 6
- | 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
- | Automatic tablet drop
- | Automatic sampling station (low-head or high-head)
- | 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

The high degree of modularity makes it possible to quickly turn a 6-station stand-alone DT 950, for example, into the heart of a complete dissolution HPLC On-/ Offline System with 8 test stations and Disso.NET 4 software. This means that the DT 950 remains flexible throughout its entire life cycle. After all, who knows what challenges await in a few years' time?

DT 950 SERIES

UPGRADE CONFIGURATIONS

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

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

NOT ONLY ON A LARGE SCALE, BUT ALSO ON A SMALLER ONE

FURTHER IMPROVED



POWER SWITCH

The power switch has been moved to the side of the device, making it much easier to reach and operate it. In addition, the power supply has been redesigned to 24 V.



TABLET DROP

The tablet drop has been moved to the top of the DT head. This means that filling is always immediately visible. The drop can be controlled automatically as an option.



DT HEAD

The DT head has been further improved. In addition to mechanical changes to the guide and a new aluminum lock, the weight has also been reduced. This makes it easier to handle the dissolution tester head without compromising its robustness.



WATER OUTLET

The water outlet has been lowered further and also moved to the rear. This way, it does not interfere during the normal use of the dissolution tester. The outlet has also been fitted with a practical quick-release coupling that allows for the quick and leak-free connection of a hose.

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 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.



INTUITIVE TOUCH INTERFACE

Powered by state-of-the-art embedded PC technology, the DT 9510 features an intuitive touch interface

TAILORED TO YOUR NEEDS

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

DT 950 SERIES

TECHNICAL DATA

Weight	42 kg
Dimensions (H x W x D)	850 x 650 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 956)	6 in 2 rows
Test stations (DT 957)	7 in 2 rows
Test stations (DT 958)	8 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

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PRODUCT DATA SHEET →

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ERWEKA
a **VERDER** company

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