



DT 950 & DT 9510 SERIES

## DIGITAL DISSOLUTION OFFLINE SYSTEM

**The Digital Offline System for the DT 950 and 9510 series is the next step in harnessing the power of digital dissolution testing. It extends the advanced technology of the DT 950 and 9510 series with the first step in dissolution automation: fully automated sampling and storage in vials for separate analysis.**

With the updated TestAssist, the user can easily configure and start dissolution tests with automatic sampling on our 7-inch touch display. The design principles introduced with the DT 950 have been applied to offline testing, making it faster, easier and more accurate than ever before. The user is guided through the dissolution test with automatic sampling in a few simple steps. This enables 100% USP / EP / JP compliant dissolution testing without distraction or error and ensures consistently compliant parameters.

## DIGITAL DISSOLUTION OFFLINE SYSTEM DT 950 & DT 9510 SERIES

### KEY FEATURES



100%

100% USP / EP / JP  
Compliant



USP Methods 1, 2, 5 and  
6



Full control of  
connected hardware



Audit Trail – Full 21 CFR  
Part 11 compliance

## Audit Trail, Method Management, and More

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.



## TestAssist for Digital Dissolution Offline Testing

The intelligent TestAssist has been updated for digital offline testing:

- | Easy sample timing configuration
- | Advanced offline system settings
- | Updated test interface for more information and transparency in the test procedure

## User Management

The updated user management enables flexible access control for the digital dissolution system:

- | Easy-to-use user rights management
- | Password complexity guidelines for safe access control





## Stand-Alone Control of Connected Hardware

The digital embedded PC technology in the digital dissolution tester DT 950 and DT 9510 take full control of the connected system hardware: The pump, either PVP or IPC, the automated sampling station ASS-9/-18 and the sample collector. An external computer is not required, saving space, energy and maintenance, and thanks to the digital technology, without losing comfortable features and USP/EP/JP compliance. Of course, the offline system includes all the other software features of the DT 950 platform, including method memory, sampling station with temperature sensors in each vessel, USB update and FTP data export.

## DT 950

### TECHNICAL DATA

|                                             |                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------|
| <b>Weight</b>                               | 42 kg                                                                   |
| <b>Dimensions (H x W x D)</b>               | 850 x 650 x 650 mm                                                      |
| <b>Voltage</b>                              | 115/230 V; 50/60 Hz                                                     |
| <b>Speed</b>                                | 20-250 U/min                                                            |
| <b>Vessel volume</b>                        | 400 ml / 1000 ml / 2000 ml                                              |
| <b>Interfaces</b>                           | 1x RS-232, 2x USB, 2x Ethernet/RJ45                                     |
| <b>Test stations (DT 956)</b>               | 6 in 2 rows                                                             |
| <b>Test stations (DT 957)</b>               | 7 in 2 rows                                                             |
| <b>Test stations (DT 958)</b>               | 8 in 2 rows                                                             |
| <b>USP methods</b>                          | USP 1 / USP 2 / USP 5 / USP 6                                           |
| <b>Fuses</b>                                | 2 A                                                                     |
| <b>Protection class</b>                     | I/EN 61140                                                              |
| <b>Protection type</b>                      | IP 21/IEC 529                                                           |
| <b>Operation</b>                            | Touchscreen 7", 800x480 Pixel                                           |
| <b>Sampling positions</b>                   | High-head / Low-head / Cleaning mode                                    |
| <b>Ambient temperature during operation</b> | +10 °C to +30 °C (ambient temperature min. -5 °C below set temperature) |
| <b>Storage &amp; Transport temp.</b>        | +5 °C to +40 °C                                                         |
| <b>Relative humidity</b>                    | 25-80 % non condensing                                                  |

## DT 9510

### TECHNICAL DATA

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

## SAMPLE COLLECTOR FRL 6/7/854

### TECHNICAL DATA

|                                                 |                                                                                                              |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Weight</b>                                   | 25 kg                                                                                                        |
| <b>Dimensions (H x W x D)</b>                   | 585 x 700 x 515 mm                                                                                           |
| <b>Channels</b>                                 | 6,7 or 8                                                                                                     |
| <b>Max. capacity (not for 25 ml test tubes)</b> | 26 sample intervals                                                                                          |
| <b>Valve</b>                                    | Integrated 3 way valves                                                                                      |
| <b>FRL racks</b>                                | 26 x 8 / 1.5 ml HPLC vials, 26 x 8 / 4.0 ml HPLC vials, 26 x 8 / 10 ml test tubes, 18 x 8 / 25 ml test tubes |
| <b>Voltage +/- 10%</b>                          | 115 - 250 VAC; 50 / 60 Hz                                                                                    |

## PVP PUMP X20

### TECHNICAL DATA

|                               |                                                                                                                                                             |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Weight</b>                 | 28 kg (for PVP 1220/1420)                                                                                                                                   |
| <b>Dimensions (H x W x D)</b> | 420 x 275 x 575 mm (for PVP 1220/1420)                                                                                                                      |
| <b>Voltage</b>                | 115 V or 230 V, 50/60 Hz                                                                                                                                    |
| <b>Pump type</b>              | PVP 1220/1420 (for DT 9510)                                                                                                                                 |
| <b>Channels</b>               | 12 or 14 (for PVP 1220/1420)                                                                                                                                |
| <b>Valves</b>                 | /                                                                                                                                                           |
| <b>Accuracy</b>               | +/- 0.5 ml                                                                                                                                                  |
| <b>System compatibility</b>   | DT Online System, DT Offline System, DT On-/Offline System                                                                                                  |
| <b>Benefits</b>               | Filtration using 0.45µm flat membrane filters, with other pore sizes available upon request. Particularly suitable for fully automatic dissolution systems. |

## IPC PUMP 8/16

### TECHNICAL DATA

|                                          |                                                                                                          |
|------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Dimensions (H x W x D)</b>            | 125 x 145 x 220 mm                                                                                       |
| <b>Interfaces</b>                        | RS 232                                                                                                   |
| <b>Channels</b>                          | 8 or 16                                                                                                  |
| <b>Accuracy</b>                          | 25 ml +/- 5%                                                                                             |
| <b>Media replacement</b>                 | Standard                                                                                                 |
| <b>Double filtration (optional)</b>      | Only when first filtration with poroplast filters. No media replacement possible when double filtration. |
| <b>Required type of sample collector</b> | FRL 654 / 754 / 854                                                                                      |
| <b>System compatibility</b>              | DT Offline / DT Online / DT On-/Offline                                                                  |
| <b>Advantages</b>                        | Basic pump possible with DT 950/9510, needs regular replacement of tubing                                |