



RIGGTEK
Dissolution Test Systems



Browser-Interface for Dissilio

integrate your Dissilio into your IT-infrastructure



Browser - Interface

for the Dissilio TX8/16



BI-DTX

Browser-Interface for Dissilio

integrate your Dissilio into your IT-infrastructure



- Connect your Dissilio TX8/16 via LAN to your local PC or to your company network
- Live monitoring and remote control of your Dissilio TX8/16 easily via your (Internet-) Browser without any further software-installation



BI-DTX

Browser-Interface for Dissilio

integrate your Dissilio into your IT-infrastructure



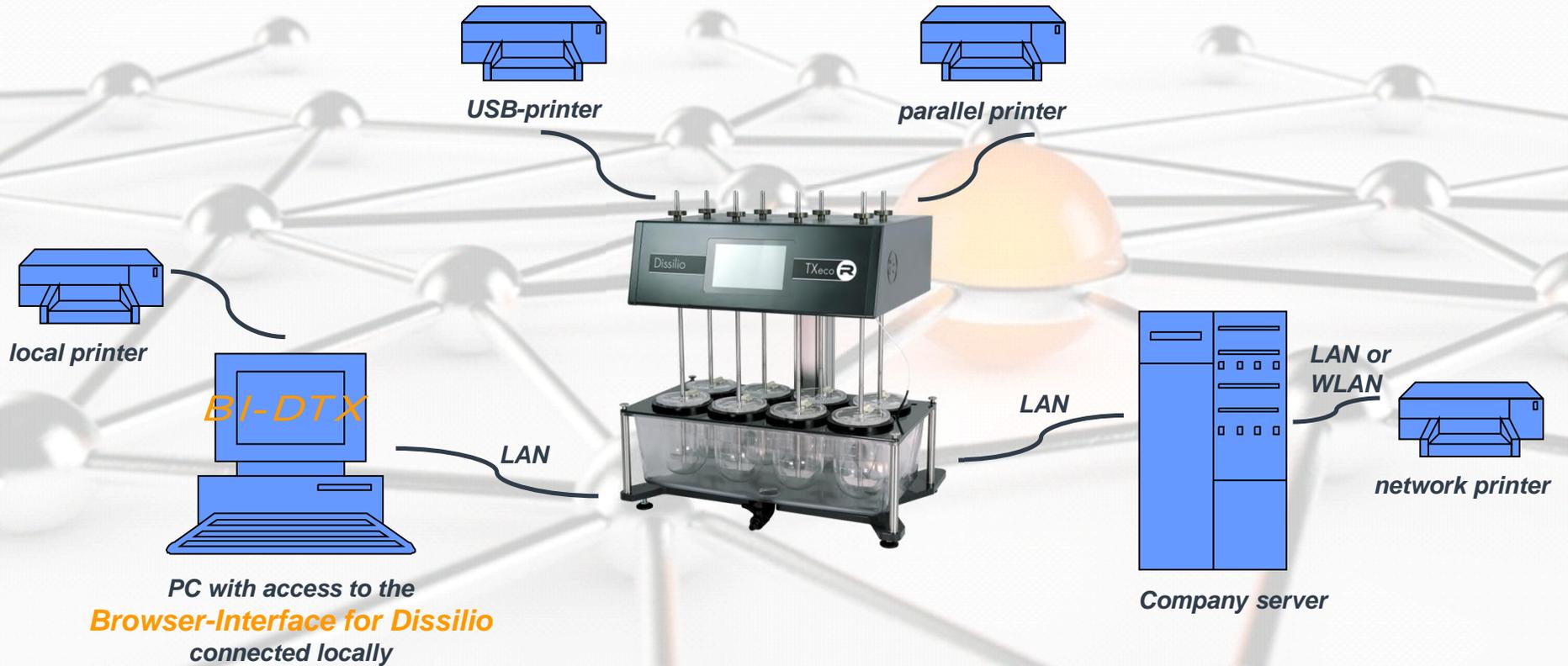
The Browser Interface "mirrors" the touchscreen. So everything can be done via the touchscreen, but with the Browser Interface many operation tasks - like administration of methods, users, reports, etc. - are much more comfortable to operate via your PC. Especially administrating several Dissilios and / or DissoPreps and Sampilios can be done comfortably with your (Web-)Browser.



BI-DTX

Browser-Interface for Dissilio

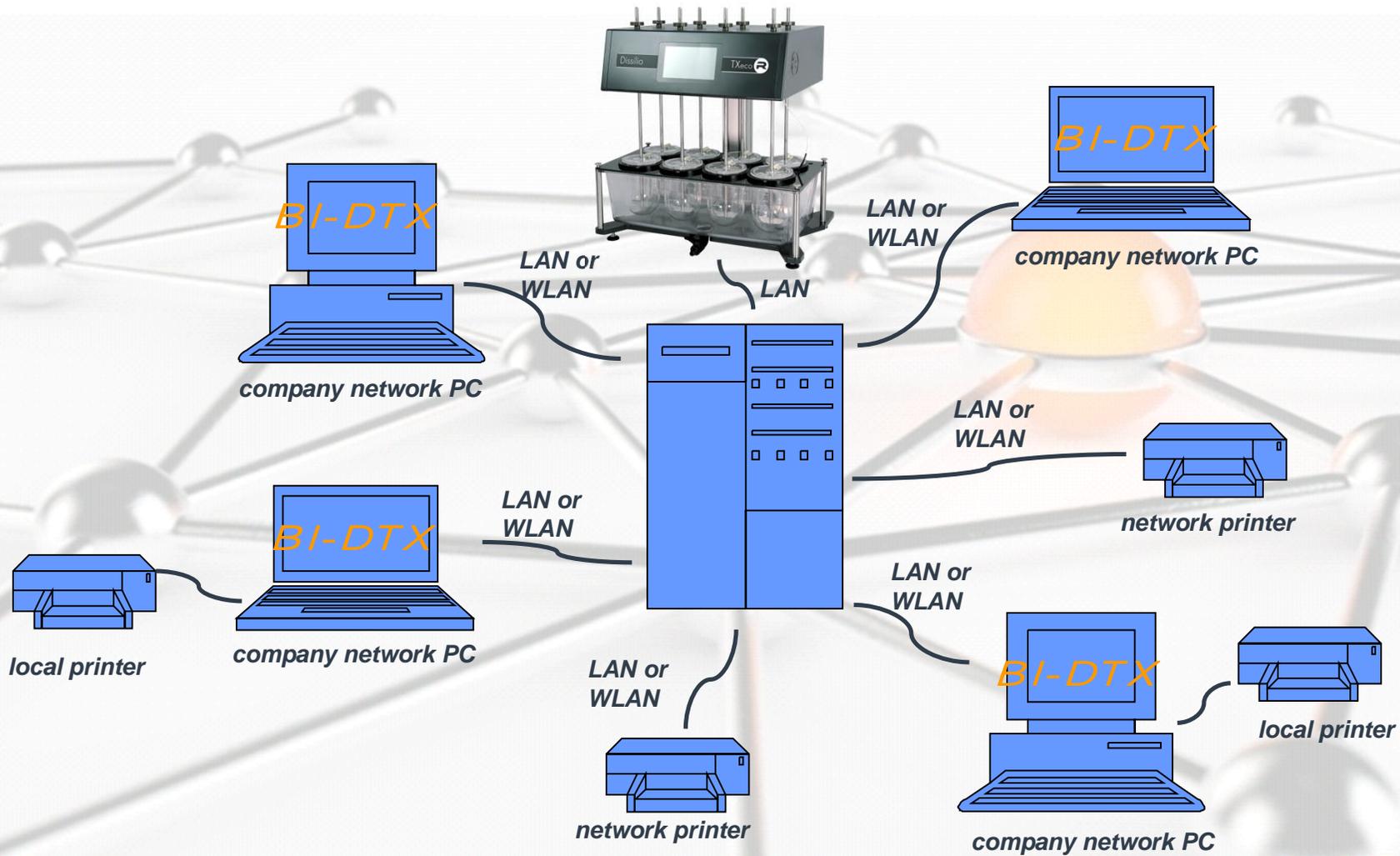
integrate your Dissilio into your IT-infrastructure



direct / local connection

Browser-Interface for Dissilio

integrate your Dissilio into your IT-infrastructure



connection via company network

Browser-Interface for Dissilio

Live Monitoring / view actual status



Method

Title: Method ID 1
USP Method: USP2_Paddles
Vessels: 6 with 900 mL
Slagger Drop: 0 sec
Temperature: 37.0 °C
Duration: 001:30:00
Speed: 100 RPM
Infinity Dura: 000:00:00
Infinity Speed: 0 RPM
El. Signature: Draft
By: --

Current

State: RUNNING

Next Drop: Done
Temperature: 37.1 °C
Remaining Duration: 001:29:44
Speed: 101 RPM
Next Sampling: N/A
Next Mediachange: N/A



BI-DTX

Browser-Interface for Dissilio

Administrate / remote control



Administrate / remote control via the Browser-Interface comfortable in front of your PC:

- methods
- user permissions
- security settings*
- reports
- audit trail
- electronic signature*
- users
- backup*
- system settings
- qualification settings
- heater timer settings*



*optional

specifications are subject of change without further notice, errors excepted

Browser-Interface for Dissilio

Data Integrity



The Browser-Interface is installed and running on the Dissilio, so NO more software-installation on any external PC is necessary. That´s why there is NO data exchange of test results between the Dissilio and the Browser-Interface, so one single place where the data is saved.

The Dissilio is saving and controlling all data. It is not possible to change any data / test results like test reports, calibration reports, etc.. Data backups can be done manually, automatically or the printouts can be used as individual backups of these data.

The Browser-Interface is NOT controlling the Dissilio, it is just an interface to administrate / remote control methods, reports, etc. on the Dissilio itself with individual user permissions.

Because of not having any data exchange and only one place of saving the data, all demands on data integrity are fulfilled without a software-validation!

Browser-Interface for Dissilio

21 CFR Part 11



With the optional „CFR Package“ it is possible to achieve full 21 CFR Part 11 compliance.

- Individual user permissions,
- individual usage settings (e.g. automatic logout),
- individual password policy as well as
- electronic signature and
- commenting on the Audit Trail

are the features enabling to work with the Dissilio 21 CFR Part 11 compliant.

Browser-Interface for Dissilio

Login

A screenshot of a web browser window showing the login interface for Dissilio TXeco. The browser's address bar displays the URL '192.168.253.26/?local'. The page title is 'Dissilio TXeco'. Below the title, there is a prompt: 'Enter login details and press Login'. There are two input fields: 'Username' and 'Password'. At the bottom, there are two buttons: 'Reset' and 'Login'. The RIGGTEK logo is visible in the top right corner of the page content.

RIGGTEK
Dissolution Test Systems

Dissilio TXeco

Enter login details and press Login

If the Dissilio is connected to your local PC or your company network, simply enter the IP-address of your Dissilio in your (Internet)-Browser to reach the Login-Screen – as shown above. If you have several Dissilios, you can easily connect to several Dissilios at the same time, having one Dissilio in each Browser tab.

Browser-Interface for Dissilio

Dashboard



Navigation Bar

The screenshot displays the RIGGTEK Dissilio browser interface. At the top, a navigation bar contains icons for home, flask, document, scales, settings, and refresh. The main content area is divided into two panels. The left panel, titled 'Method', shows details for 'Method ID 1' including USP Method, Vessels, Stagger Drop, Temperature, Duration, Speed, Infinity Duration, Infinity Speed, El. Signature, and By. The right panel, titled 'Current', shows the status of a running method, including State: RUNNING, Next Drop: Done, Temperature: 37.1 °C, Remaining Duration: 001:29:44, Speed: 101 RPM, Next Sampling: N/A, and Next Mediachange: N/A. A 'Navigation Bar' label with an arrow points to the top navigation icons, and an 'Info Line' label with an arrow points to the bottom status bar.

ID	Title	Last used
1	Method ID 1	None
2	Method ID 2	None
4	Paracetamol 500	None
5	Ibuprofen 400	None

Info Line

After the successful login, the "Dashboard" will appear. The Dashboard allows you to overview easily existing methods or the actual status / live monitoring of a running method - remotely with your PC. At each screen you find the Navigation Bar at the top and the Info Line at the bottom, showing you the serial number of the Dissilio, date and time and the user logged in with which permission role.

Browser-Interface for Dissilio

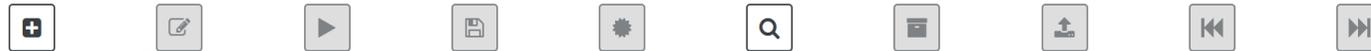
Method Menu



Navigation Bar

ID	Status	Title	Parameters	Last used
1	Draft	Method ID 1	6 Vessels, 900mL, 100RPM, 37.0°C	None
2	Draft	Method ID 2	6 Vessels, 900mL, 75RPM, 37.0°C	None
4	Draft	Paracetamol 500	6 Vessels, 900mL, 75RPM, 37.0°C	None
5	Draft	Ibuprofen 400	6 Vessels, 900mL, 100RPM, 37.0°C	None

Action Buttons



In the "Method Menu" methods can be easily found, added, edited, printed, electronically signed or archived with the action buttons. Sorting by columns and a free text search are helping to easily find the right method. With the optional TOP-Package*, methods from a "Parent-Dissilio" can be easily imported to have easily the same methods on several Dissilios.

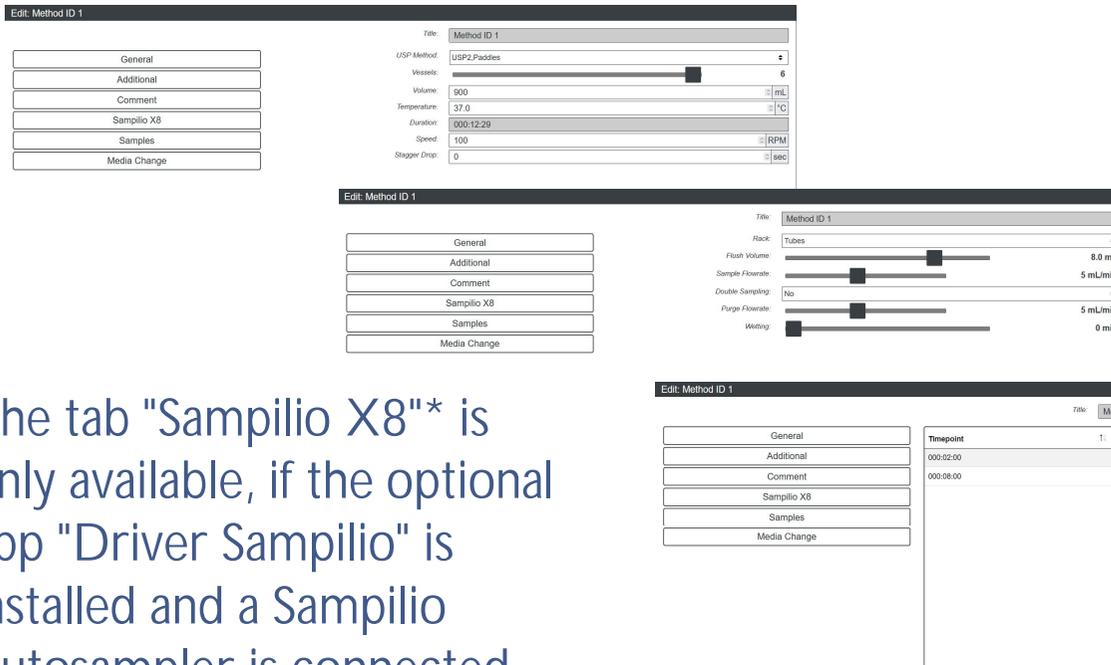
All comfortable with your PC via the Browser-Interface.

*optional

specifications are subject of change without further notice, errors excepted

Browser-Interface for Dissilio

Adding or editing Method



When adding or editing a method comfortable via the Browser Interface in front of the PC, all shown parameters can be changed easily. The parameters are structured in the tabs

- General
- Additional
- Comment
- Sampilio X8*
- Samples *
- Media Change*

The tab "Sampilio X8"* is only available, if the optional app "Driver Sampilio" is installed and a Sampilio Autosampler is connected.

The tab "Samples"* (part of Driver-Sampilio* or TOP-Package*) allows to enter the timepoints, when samples should be taken - from Sampilio or manually. If manually, a count down timer with alert will remind for the next sampling time point, what also can be seen in the live monitoring at the Dashboard.

The tab "Media Change"* (part of TOP-Package*) allows to enter the timepoints, when a media change should take place, a timer will also remind the user with a count down and alert.

*optional

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Browser-Interface for Dissilio

Reports Menu



ID	Title	Status	Created
3	Method ID 1	Draft	11.03.2022 13:13:43
2	Method ID 1	Draft	11.03.2022 13:11:19
1	Method ID 1	Draft	11.03.2022 13:09:38

Test Details

Method Name / ID: Method ID 1 System: Dissilio TXeco, 16 Vessels
 Start Date/Time: 05.01.2023 16:27:39 Serial Number: R61010006
 Lot number: N/A Firmware Version: 1.01
 Batch number: N/A Instrument ID: N/A
 Media Preparation: N/A Report No.: N/A Company Name: RIGTEK GmbH
 End Date/Time: 05.01.2023 16:34:56 (successful) Department: QC
 Operator: Support User (root) Laboratory: N/A

Test Settings

Apperatus: USP2 Paddles Temperature: 37.0°C
 Duration: 00:07:16 Speed: 200RPM
 Volume: 900mL Staggered Drop: 0sec
 Infinity Duration: 00:00:00 Infinity Speed: 0RPM
 Media Replacement: 0 Number of Samples: 2
 Last Comment: N/A

Test Measurements

	Start	End	Avg	Min	Max	Delta Set
Temperature (°C):	36.7	36.9	36.9	36.7	37.0	0.3
Speed Motor 1 (RPM):	200	200	200	199	200	1

Comment:
N/A

Temperature / Speed Profile

Method ID 1 - Chart Temperature Sensor 1

Method ID 1 - Chart Speed Motor 1

Sampler Details and Settings

Name: Sample X8 8 Lines Serial Number, Firmware: R5100094, 1.32
 Rack Type: Test Tubes Double Sampling: No
 Sample Flowrate: 10mL/min Purge Flowrate: 10mL/min
 Flush Volume: 5.0mL Wetting: No

Sampling Profile

No.	Time	Vol. mL	°C			RPM		
			Avg	Min	Max	Avg	Min	Max
1	00:02:50	5.0	36.9	36.9	36.9	200	200	200
2	00:03:00	5.0	36.9	36.9	37.0	200	199	200

Signature: _____

— END OF REPORT —

You are searching a test report to print it again? In the "Reports Menu" test-reports can be easily found, viewed, saved, printed or electronically signed comfortable via your PC using the Browser Interface. Sorting by columns and a free text search are helping to easily find the right report. All reports are saved securely at the Dissilio and can't be deleted or changed in any way. With the optional Q-Package*, the reports are showing detailed Temperature- and Speed-Profile. If sample time points are programmed (optional TOP-Package* or Driver-Sampilio*), the Sampling-Profile with status at the sampling points is reported as well. Additional, the entered serial number from accessories like shafts, vessels, paddles, baksets, etc. will be mentioned.

*optional specifications are subject of change without further notice, errors excepted

Browser-Interface for Dissilio

Qualification Menu



ID	Title	Status	Ver.	Created	Pri.
1	Calibration RPM and Temperature	Draft	0	14.03.2022 07:16:21	7

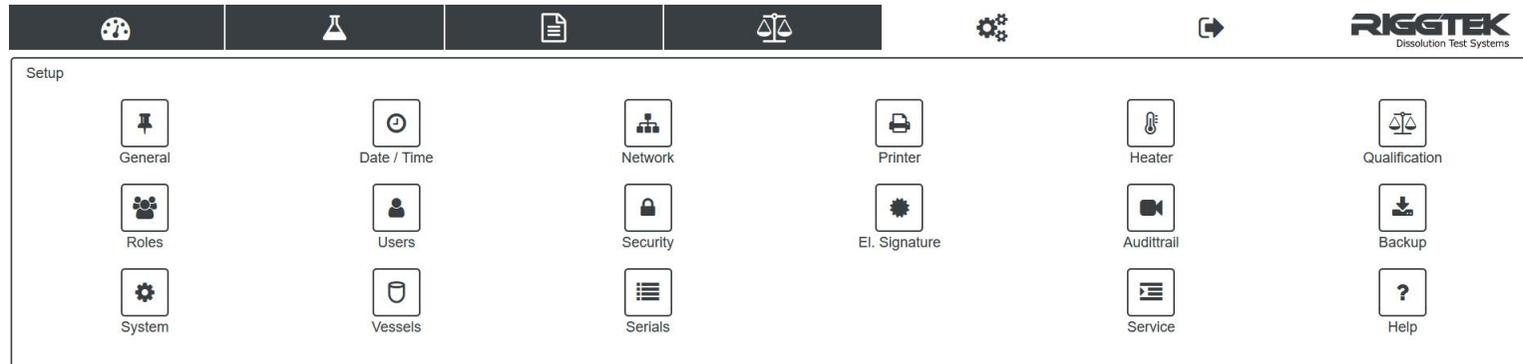
In the "Qualification Menu" qualification-reports can be easily found, viewed, saved, printed or electronically signed comfortable via your PC using the Browser Interface. Sorting by columns and a free text search are helping to easily find the right report. All reports are saved securely at the Dissilio and can't be deleted or changed in any way.

With the optional Q-Package* a guided qualification or a calibration can be started with a complete report.

*optional
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Browser-Interface for Dissilio

Setup Menu



The „Setup“ allows to easily edit general settings in front of your PC via the Browser Interface. For example*

- General settings like internal instrument ID, internal instrument ID, Touch Tone, etc.
- date and time
- network configuration
- printer configuration
- heater wake-up and sleep time* (part of ENERGY-LIGHT-Package*)
- settings for Qualification* (part of Q-Package*)
- user roles / permissions
- users
- security settings (partly part of optional CFR-Package* - see more details on following pages)
- settings for the Electronic Signature* (partly part of optional CFR-Package* - see more details on following pages)
- Audittrail (for checking the Audittrail etc. - partly part of optional CFR-Package* - see more details on following pages)
- settings for the Backup* (part of optional Backup-Package* - see more details on following pages)
- system settings of the Dissilio and connected instruments
- vessel position numbering* (part of optional Q-Package* - see more details on following pages)
- serial number tracking
- etc.

*optional specifications are subject of change without further notice, errors excepted

Browser-Interface for Dissilio

Setup - General



The image displays two screenshots of the RIGGTEK Dissilio browser interface, specifically the 'Setup - General' configuration page. The top screenshot shows the 'Equipment' tab selected, with fields for 'Company Name', 'Department', 'Laboratory', and 'Instrument ID'. The bottom screenshot shows the 'LCD / Touch' tab selected, with settings for 'Touch Tone' (On-Low), 'Backlight' (On), and 'Sleep Mode' (30 min). The interface includes a navigation bar with icons for Home, Equipment, Reports, Scales, Settings, and Logout, and the RIGGTEK logo.

The „Setup-General“ tab allows to easily personalize your Dissilio with e.g. an internal Instrument-ID, Company name etc.

Browser-Interface for Dissilio

Setup - Heater*



Setup - Heater

Schedule: On

Repeat: Weekdays

Wake Up: 06:00

Temperature: 37 °C

Sleep Time: 22:00

In the "Heater"* (part of optional ENERGY-LIGHT-Package*) tab the wake-up and sleep time can be edited via your PC using the Browser Interface. These settings can be changed easily remotely when shifts are changing or a holiday season is coming without going to the individual Dissilio. This allows to save considerably much energy without loosing time for heating up the waterbath.

Browser-Interface for Dissilio

Setup - Qualification



The "Setup - Qualification" tab* (part of the optional Q-Package*) allows a fast overview about the qualification status comfortable via your PC using the Browser Interface. General Qualification Due Alerts can be set for the qualification period, as well as the allowed or defined tolerances for temperature and RPM. Additionally or alternatively a schedule for the next qualification can be planned with a reminder.

*optional

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Browser-Interface for Dissilio

Setup- Roles and Users



The screenshot displays the RIGGTEK browser interface for managing roles and users. The top navigation bar includes icons for Home, Lab, Documents, Scales, Settings, and Logout, along with the RIGGTEK logo and 'Dissolution Test Systems' text.

Setup - Roles

Show: Active Roles (dropdown) Search: [input field]

Arch.	Title	Last edited	by
<input type="checkbox"/>	Admin	09.03.2022 11:45:57	root
<input type="checkbox"/>	Manager	11.03.2022 14:28:52	Administrator (riggtek)
<input type="checkbox"/>	Operator	11.03.2022 14:28:24	Administrator (riggtek)

Edit Role: 'Manager'

Name: [input field: Manager]

Methods: [dropdown: 4 selected]

El. Signature: [dropdown: All selected (4)]

Same User: [dropdown: None selected]

Import: [dropdown: None selected]

Available methods: Methods, Reports, Qualifications, Audit & Setup, Roles & Users

Setup - Users

Show: Active Users (dropdown) Search: [input field]

Arch.	Title	Last edited	by
<input type="checkbox"/>	Admin_1	11.03.2022 14:26:35	Administrator (riggtek)
<input type="checkbox"/>	Operator	11.03.2022 14:25:15	Administrator (riggtek)
<input type="checkbox"/>	riggtek	11.03.2022 14:12:25	Service (root)

In the "Setup - Roles" tab the User Roles and their permissions can be comfortably edited via your PC using the Browser Interface. The authorized person does not need to go to each Dissilio to make or change these settings anymore. In the "Setup - Users" tab the user can be added, changed or archived and their permission roles can be fixed.

With the optional "Active Directory-Package"* , passwords and user/password policies from Users are used from the Windows Active Directory.

*optional specifications are subject of change without further notice, errors excepted

Browser-Interface for Dissilio

Setup - Security



Setup - Security

Rolename

Username

Password

Account

On Device

Min. Length: 5 signs

Name Conditions: Number, Upper Case

Special Number Lower Upper Case

Setup - Security

Rolename

Username

Password

Account

On Device

Min. Length: 6 signs

Name Conditions: Number

Special Number Lower Upper Case

Setup - Security

Rolename

Username

Password

Account

On Device

Change first Login: Off

Min. Length: 6 signs

Name Conditions: Number, Lower

Validity period: 30 days

Repeatability: On

Setup - Security

Rolename

Username

Password

Account

On Device

Max attempts: 3 times

Inactivity logout / lock: 13 min

With the "Security Settings" tab it is possible to individually define remotely via the Browser Interface for example

- the password policies,
- the automatic logout settings.

The authorized person does not need to go to each Dissilio to make or change these settings anymore, just use the Browser-Interface.

Some of the advanced security settings are part of the optional „CFR-Package“*.

With the optional "Active Directory-Package"* , passwords and user/password policies from Users are used from the Windows Active Directory.

*optional specifications are subject of change without further notice, errors excepted

Browser-Interface for Dissilio

Setup - Electronic Signature



Sign Method: "Method ID 1"

New comment

History

0.3 Reviewed at 11.03.2022 14:36:24 by:
Administrator (riggtek)
review test

0.2 Submitted at 11.03.2022 14:36:10 by:
Administrator (riggtek)
submit test

Setup - Electronic Signature [Z]

Method using level: Review

Comment Conditions: Approve, Unsign

Submit Review Approve Unsign

It is possible to sign reports and methods electronically via the Browser-Interface with the optional CFR-Package*. The Browser Interface allows to do this remotely with all connected Dissilios without the need to go to the instruments or any additional software.

The electronic signature status „Submit“, „Review“, „Approve“ and „UnSign“ are available according to the Rolemanager and the individual permissions. In the settings, the user can determine which status is necessary to use a method and for which status the user needs to make a comment.

The current status of the approval can be seen in the method- and report-list. When signing, the approval history will be shown as above. Additionally the last 4 steps of the approval will be printed on the report.

*optional specifications are subject of change without further notice, errors excepted

Browser-Interface for Dissilio

Setup - Audittrail



Arch.	Created	Message
<input type="checkbox"/>	11.03.2022 14:28:52	User `Administrator (riggtek)` added a new Role `Manager`!
<input type="checkbox"/>	11.03.2022 14:28:24	User `Administrator (riggtek)` added a new Role `Operator`!
<input type="checkbox"/>	11.03.2022 14:26:35	User `Administrator (riggtek)` added a new User `Admin_1`!
<input type="checkbox"/>	11.03.2022 14:25:15	User `Administrator (riggtek)` added a new User `Operator`!
<input type="checkbox"/>	11.03.2022 14:18:19	User `Administrator (riggtek)` changed Method ID `4`!
<input type="checkbox"/>	11.03.2022 14:16:12	User `Administrator (riggtek)` changed Method ID `4`!
<input type="checkbox"/>	11.03.2022 14:12:47	User `Administrator (riggtek)` updated Setup values!
<input type="checkbox"/>	11.03.2022 14:12:30	Login `riggtek` successful!
<input type="checkbox"/>	11.03.2022 14:12:25	User `Service (root)` unlocked User `riggtek`!
<input type="checkbox"/>	11.03.2022 14:12:13	Login `riggtek` tried multiple!
<input type="checkbox"/>	11.03.2022 14:09:58	Logout `Administrator (riggtek)` successful!
<input type="checkbox"/>	11.03.2022 13:57:48	User `Administrator (riggtek)` changed Method ID `5`!
<input type="checkbox"/>	11.03.2022 13:57:38	User `Administrator (riggtek)` changed Method ID `4`!
<input type="checkbox"/>	11.03.2022 13:54:00	User `Administrator (riggtek)` added a new Method ID `5`!
<input type="checkbox"/>	11.03.2022 13:53:35	Login `riggtek` successful!

The Audittrail documents all relevant actions of the device including error-messages. With the optional "Backup-Package"* and depending on the individual permissions and options, it is possible to download the Audittrail and archive selected Audittrail entries. With the optional "CFR-Package"* it is possible to make comments to individual Audittrail entries.

*optional specifications are subject of change without further notice, errors excepted

Browser-Interface for Dissilio

Setup - Backup



Setup - Backup

Backup to: Local USB

Frequency in days: 2 days

Server & Path:

Remote Username:

Remote Password:

Help Path: FTP, FTPS, SFTP or SCP: scheme://host:port/path
Windows Share: domain://host/path

The optional „Backup-Package“* allows to make backups of the whole system to USB, Windows-Shares, FTP-, FTPS-, SFTP- or SCP-Server. The backup can be done manually or automatically.

A manual backup of the Audittrail can also be done.

*optional

specifications are subject of change without further notice, errors excepted

Browser-Interface for Dissilio

Available optional packages



TOP-PACKAGE

- Parent-Child feature
- timer with alert for sampling time points
- staggered drop feature for sampling timer
- Media Add/Change timer with alert
- Infinity Run



CFR-PACKAGE

- electronic signature
- adjustable password policies
- enhanced security settings
- commenting of Audittrail



Q-PACKAGE

- guided mechanical qualification with extended report
- electronic serial number tracking of parts
- electronic qualification tracking with due alerts
- ability to custom number each position
- advanced continuous heating monitoring and reporting
- advanced continuous RPM monitoring and reporting
- adjustable tolerance limits



BACKUP-PACKAGE

- manual or automatic backups of whole system (incl. Audittrail) to USB, Windows-Shares, FTP-, FTPS-, SFTP- or SCP-Server
- manual backup of Audittrail



ACTIVE-DIRECTORY PACKAGE

- use Windows Active Directory (LDAP) for all User and Login Security Settings at the Dissilio for central administration by Windows



DRIVER-SAMPILIO

- complete control of one or two connected "Sampilio" Autosamplers



ENERGY-LIGHT PACKAGE

- programmable Wake Up and Sleep Times for the heater to save energy, money and time



MULTIPLE SPEEDS

- Accelerate your test numbers
- Dissilio TX8: use up to two different speeds
 - Dissilio TX16: use up to four different speeds in three possible configurations

Browser-Interface for Dissilio

summary



- easy

- without software-
installation /-validation

Browser-Interface for Dissilio

BI-DTX

- 21 CFR Part 11
compliant

- powerful

- standard feature



BI-DTX



Do you have any further questions?

- Visit our webpage www.riggtek.com or
- give us a call *Tel.: +49 89 2302469-0* or
- email us to support@riggtek.com

We are available!
your RIGGTEK-Team

