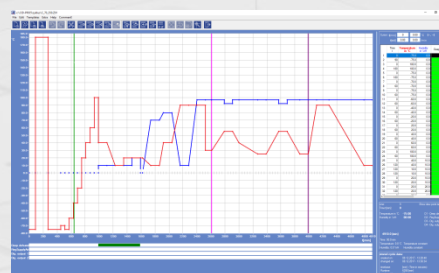


Status overview:

Editor module:



Display:

- Graphic with the set values of the program.
- List of all detailed lines of the program.
- Statement of all important lines information (line number and time, analogue and digital channels with wait function and relationship to next line).

Creating a program:

- Initialization line: „Ins“ key or symbol to insert a value line.
- Double click on the analogue channel
 → new window to change the set value.
- „Ins“ key or symbol to insert a value line.
- Double click on the time to change its duration and the analogue and digital channels
 → new window to change the set value of the desired channel/time.

→ Programming set value course: fixed values, ramps and jumps

Options:

- Start of loop („F2“ key / symbol): start a loop with a defined number of repetitions.
Note: max. 20 loops each with 9999 runs
- End of loop („F3“ key / symbol): completion of the loop.
- Subprogram („F4“ key / symbol): Insert an already generated program.
- Conditional jump („F5“ key / symbol): If indicated condition is fulfilled, the program jumps to the desired location (line).
- Insert program („F10“ key / symbol): Insert an already generated program.

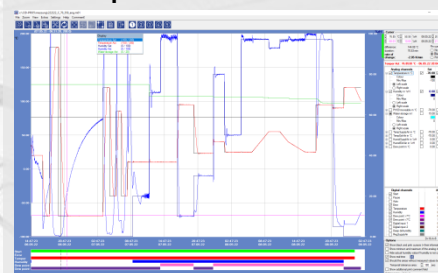
- Save generated program under a desired name ending with the test cabinet number.
- Print the graph, the list or both.

→ Program can be sent to the test cabinet, started and recorded in automatic mode!

Other:

Copy, insert, paste lines/blocks, 20 zoom levels (activate with the right mouse button), set an exact temperature gradient, insert comments and create templates.

Graphic module:



Load:

The data is loaded via the open dialogue or by double-clicking on a measurement recording:

- Measured values are loaded into an internal memory - functions are executed immediately.
- Adjustment of analogue and digital channels (colour of set/actual value, ranges and scales).
- A cursor can be pinned:
 Display of all measured values of this timestamp.
- Marking of analogue channels.
- Changing the order of analogue and digital channels.
- Zoom function with 20 zoom levels with scroll bar and zoom overview window.
- Optimise display (cursor, display and evaluation, details and real-time display).
- Additional comment print field.

Other:

Excel conversion program, merge and cut measurement files and display of comments.

Starting programs (automatic):

- Choose the desired Cabinet No.
- Under Cabinet prog no. the program is saved in the controller.
- Choose the desired Program name.
- Select the Program start and the Program offset.
- „Send“ transmits the test program data.
- „Record“ starts an automatic measurement recording.

Report module:

The report function runs constantly in the background and records all user and test unit actions.

Display line:

Mark line, confirm right mouse button

Insert line (comment):

Mark line, confirm right mouse button

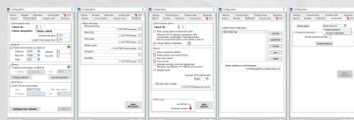
Options:

→ the messages can be filtered by type, test cabinet and date.

Manual recording:

- Select the storage options for saving the file.
- Enter the storage cycle.
- Select the Start options, now or at defined time/date.
- Possibility of cyclic storage - hourly, daily, weekly or monthly.
 Then a new file is generated.
- Stop the manual measurement recording with the button.

Configuration:

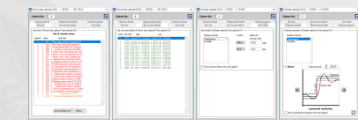


- Settings:** Number of test cabinets and language.
- Communication:** Cabinet designation, scanning rate, serial / Ethernet interface, client/server and configuration.
- Program mode**
- Directories**
- Options**
- Modules**
- Notification**
- Access rights:** Simple password or Access configuration.
- PDF settings**

Adding a test units for communication

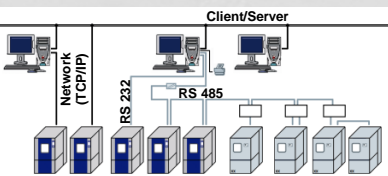
- Select the **Cabinet Number**
- Enter the **Cabinet Designation**
- Set the **Scanning rate** in seconds
- Select the type of communication:
 - Serial parameters:** COM port, baud rate, parity, data bits and stop bits
 - Ethernet parameters:** IP address and IP port
- Test the communication**
- Save the entries**
- Read out the **cabinet configuration** from the controller

Cabinet information:



- Error list with error history** shows a list of all errors and warnings currently pending in the chosen cabinet. The occurrence, resolution, and acknowledgement (deletion) of individual errors and warnings is listed chronologically.
- List of power failures** shows a list of all power failures detected in the chosen test cabinet.
- Error limits** Software error limits for each analogue channel.
- Tolerance bands** Tolerance bands for each analogue channel.
- Measurement buffer** Read out of the controller internal measurement buffer.
- Cabinet programs** Possibility to read out and send the programs.

Device network:



Buttons in the status overview

Symbol	Description + reference	Key combination	Menus
	Exit the software		Exit!
	Visualisation (Chapter 15, page 142) Visually displays all cabinets in a self-created environment	Ctrl+V	Functions
	Status overview of all test cabinets (Chapter 8, page 61) Overview of all connected test cabinets at a glance	Ctrl+O	Functions
	Program editor (editor module) (Chapter 9, page 62) Create, edit, modify and delete programs	Ctrl+E	Functions
	Measurement data analysis graph (graphic module) (Chapter 10, page 101) Evaluation all measured data in a diagram	Ctrl+G	Functions
	Starting programs (automatic mode) (Chapter 11, page 127) Start a program in automatic mode	Ctrl+A	Functions
	Manual measurement recording (Chapter 12, page 131) Document the history of analogue and digital channels by recording	Ctrl+M	Functions
	Configuration (Chapter 6, page 32) Software configuration	Ctrl+S	Functions
	Cabinet information (Chapter 7, page 55) Display all cabinet information		Functions
	Operating hours and event counter (Chapter 13, page 136) Display the operating hours and events	Ctrl+C	Functions
	Event logs (report module) (Chapter 14, page 137) Display all modifications, warnings and errors and leave comments	Ctrl+R	Functions
	Help	F1	Help
	Service data ... (Chapter 5.15, page 31)		Help
	Information Software information (Chapter 19.1, page 167)	Ctrl+I	Help
	Search for updates ... (Chapter 5.16, page 31)		Help

Buttons in the editor module

Menus	Symbol	Submenus	Also in tool bar?	Key combination	Reference	
File		New ...	X	Ctrl+N	New program see Chapter 9.5, p. 79	
		Open	X	Ctrl+O	Opening a program see Chapter 9.6, p. 79	
		Save	X	Ctrl+S	Saving a program (as) see Chapter 9.7, p. 80	
		Save As	X	Ctrl+A		
		Setup printer/page		Ctrl+I		
		Print...	Print graph Print list Print both Print screen	Ctrl+G Ctrl+L Ctrl+B Ctrl+T	Setting up the printer/page and printing ... see Chapter 9.9, p. 81	
		Print as PDF...	Print graph Print list Print screen			Printing a PDF ... see Chapter 9.10, p. 82
		File information				File information of a loaded program see Chapter 9.11, p. 83
	...	Files last opened				Open program (9.6)
		Exit		X	Ctrl+E	Exit the editor module
	Edit		Insert line	X	Ins	
			Delete line	X	Del	
			Cut line	X	Ctrl+X	Editing a line (insert, change, cut and copy) via the keyboard/menu functions see Chapter 9.4.3, p. 69
		Copy line	X	Ctrl+C		
		Paste line	X	Ctrl+V		
		Copy/insert block ...		F6	Line block see Chapter 9.12, p. 84	
		Delete block ...		F7		
		Insert Start of Loop		X	F2	Loop (beginning and end) see Chapter 9.13, p. 85
		Insert End of Loop		X	F3	
		Call subprogram		X	F4	Calling a subroutine see Chapter 9.14, p. 86
		Insert conditional jump		X	F5	Conditional jump see Chapter 9.15, p. 87
		Insert program		X	F10	Inserting a program see Chapter 9.16, p. 88
		Refresh			F11	Refresh the editor module
Templates		Templates			Templates see Chapter 9.17, p. 89	
Extras		Options		Ctrl+P	Options see Chapter 9.19, p. 91	
		Delete program		Ctrl+D	Deleting a program see Chapter 9.8, p. 80	
		Gradient...	...by (valued calculation) ...to (time calculation)	F8 F9	Defining the gradient see Chapter 9.20, p. 94	
		Save file in data pool ...		Ctrl+F	Saving a file in a data pool see Chapter 9.21, p. 97	
		Save file as library ...			Saving a file in a library see Chapter 9.22, p. 97	
	Help		Help		F1	
		Info...				
Comment!					Comment see Chapter 9.23, p. 98	
		Zoom functions			Zoom functions see Chapter 9.24, p. 99	

Buttons in the graphic module

Menus	Symbol	Submenus	Also in tool bar?	Key combination	Reference	
File		Open...	X	Ctrl+O	Open and load measurement see Chapter 10.4, p. 105	
		Delete	X	Ctrl+D	Deleting a measurement see Chapter 10.5, p. 106	
		Print	X	Ctrl+P	Printing a measurement see Chapter 10.6, p. 107	
		Print PDF	X	Ctrl+F	Print a measurement as PDF see Chapter 10.7, p. 107	
		File information			File information of a loaded measurement see Chapter 10.8, p. 108	
	...	Files last opened			Open and load measurement (10.4)	
		Exit	X	Ctrl+E	Exit the graphic module	
	Zoom		Full screen/gestore	X	Ctrl+R	
			Zoom out	X	Ctrl+U	Zoom functions see Chapter 10.9, p. 109
			Zoom	X	Ctrl+Z	
		Zoom to cursor positions	X	Ctrl+S		
View		Display		Ctrl+I	Display see Chapter 10.10, p. 110	
		Update		F12	General see Chapter 10.1, p. 101	
Extras		Options	X	Ctrl+T	Options see Chapter 10.12, p. 117	
		Excel conversion program		Ctrl+X	Excel conversion program see Chapter 10.13, p. 118	
		Display measurement values	X		Display measurement values see Chapter 10.14, p. 122	
		Copy to clipboard		Ctrl+C	Copy to clipboard see Chapter 10.15, p. 122	
		More extra options		Ctrl+F1 Ctrl+F7	General see Chapter 10.1, p. 101	
		Join measurement files		Ctrl+M	Merging measurement files see Chapter 10.16, p. 123	
		Cut current measurement files (cursor)			Cut current measurement files see Chapter 10.17, p. 123	
	Settings		Settings 1 to 10 available	X	F1 - F10	
			Settings 1 to 10, if selected	X	F1 - F10	
			New setting			Settings see Chapter 10.18, p. 124
		Delete setting				
		Delete ALL settings				
		Save setting				
Help		Help				
		Info...				
Comment!					Comment see Chapter 10.19, p. 126	
		Update (the measurement data)	X	F12	General see Chapter 10.1, p. 101	

Buttons in the report module

Menus	Symbol	Submenus	Key combination	Reference	
File		Load	Ctrl+L	Loading a report see Chapter 14.3, p. 139	
		Delete	Ctrl+Del	Deleting a report see Chapter 14.4, p. 139	
		Print...	whole list whole list as PDF filtered list filtered list as PDF	Ctrl+W Ctrl+F	Printing a report ... see Chapter 14.5, p. 140
		Export...	whole list filtered list		Exporting a report ... see Chapter 14.6, p. 140
		Exit		Ctrl+E	Exit the report module
	Extras		Options	Ctrl+O	Options see Chapter 14.7, p. 141
Help		Help	F1		
		Info...			

Buttons in the visualisation

Menus	Symbol	Submenus	Key combination	Reference
Extras		Configuration	Ctrl+C	Configuring a setting see Chapter 15.4, p. 144
		Load settings	Ctrl+L	Loading a setting see Chapter 15.6, p. 146
		Save settings	Ctrl+S	Saving a setting see Chapter 15.5, p. 146
		Reset settings	Ctrl+R	Resetting a setting see Chapter 15.7, p. 146
Test cabinets		Test cabinets		Displaying test cabinet (15.8, p. 146)

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