CID-Pro 4.02 - Quick Start Guide

Status overview:

Symbol and menu bar
All functions of the software

Unit info
Information for the selected test unit

Test Units
Overview of all test units

Unit and error status
Status for the selected test unit

Program automatic
Does a program run in a selected test unit? Statement of the most important information!

Digital channels:
Channel represented according to test unit!

Analogues channels:
Channel represented according to test unit!

Messages
(change, warning, and error messages)
Overview of all messages of all test units

Test-cycle program editor:

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

Creation of a program:
1. Initialization line: „Ins" key or ⊕ symbol to insert a value line.
2. Double click on the changing analogous channel ➔ new window to change the set value.
3. „Ins" key or ⊕ symbol to insert a value line.
4. Double click on the time to changing the duration and the analogous and digital channels ➔ new window to change the set value of the desired channel/time.

➔ **Programming of set value settings: fixed values, ramps and jumps**

Options:

- Loop beginning („F2" key / symbol): Start of a repetition with a defined number of repetitions.

- Loop end („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 at the desired location (line).

5. Generated program save under a desired name. Ending marks the test unit number.
6. Print the graphic, the list or both.

➔ **Program can send, started and recorded in the automatic mode at the test unit!**

Others:
Lines/blocks copy, insert, paste, 20 zoom levels, activate with the right mouse button, set an exactly temperature gradient, insert comments and creates templates.

Graphical measurement analysis:

Load:
1. Unit No. defined which unit measurements should be loaded.
2. Filename lists all files that were recorded with the selected test unit.
3. Searching of measurement files on the drive.
4. Load the desired measurement file.
5. "Active record" opens a currently saved record.

- 20 zoom level, (right mouse button).

Options:
- Adjustment of the analogous and digital channels (colour of set and act values, ranges and scales).
- Generates default values.
- Advertisement optimize (make the cursor, display and evaluation (analysis) visible, adapt details and real-time advertisement).

Excel conversion program, merge measurement files and advertisement of comment.

Configuration:

1. **Settings:** Number of test units and Language.
2. **Communication:** Unit designation, scanning rate, serial / Ethernet interface, Client/Server and configuration.
3. **Program mode:** Advertisement of the analogous act values of the program mode.
4. **Test specimen protection:** Software limits for every analogous channel.
5. **Generally:** Default directories and Options.
6. **Login Option:** Simple password or access Configuration.

Event logs (reports):

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

Display line:
Mark line, confirm right mouse button

Insert line (comment):
Mark line, confirm right mouse button
➔ Insert comment!

Error list
➔ shows a list of all errors currently at issue in the chosen test unit.

Error history
➔ The occurrence, resolution, and acknowledgement (deletion) of individual errors and warnings is listed chronologically.

Power fail
➔ shows a list of all power failures detected in the chosen test unit.

E-Mail message
➔ enabled the delivery of e-mail messages in certain events.

Options
➔ The messages can be filtered after type, test unit and date.

Starting test programs (automatic):

1. Choose the desired Unit No.
2. Under Unit Prog No. the program is saved in the controller.
3. Choose the desired Program name.
4. Select the Program Start and the Program Offset.
5. „Send" transmits the test program data.
6. „Recorder" starts a test program recording.

Manual measurement recording:

1. Selection of the record options in which file the measurement will save.
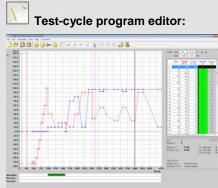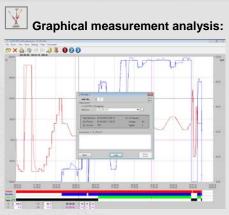2. Statement of the recording rate.
3. Selection of the Start options, now or at defined time (date).
4. Possibility of a cyclic storage - hourly, daily, weekly or monthly. Then a new file is generated.
5. Stopping the manual measurement recording with the Button STOP.

Adding a test units in the Configuration (communication)

1. Select the **unit number**
2. Enter an **unit designation**
3. Set the **scanning rate** in seconds
4. Select the type of communication:
   a. **Serial parameters:**
      - COM port
      - Baud rate
      - Parity
      - Data bits
      - Stop bits
   b. **Ethernet parameters:**
      - IP address
      - IP port
5. **Test** the **communication**
6. **Save** the entries
7. Read out the **unit configuration** from the controller

Buttons of the status overview

Symbol	Description + Link	Key combination	Reference
	Exit		Exit!
	Visualization (section 4.10, page 137) Display your test units in a self-generated environment.	Ctrl+V	Functions
	Overview of all test units (section 4.3, page 55) Display all your connected test units in overview.	Ctrl+O	Functions
	Test-cycle program editor (section 4.4, page 57) Create, edit, change, and delete your test-cycle programs.	Ctrl+E	Functions
	Graphical measurement-data analysis (section 4.5, page 91) Display your test data in a diagram and analyze them.	Ctrl+G	Functions
	Starting test programs (automatic) (section 4.6, page 111) Start a test-cycle program in automatic mode.	Ctrl+A	Functions
	Manual measurement recording (section 4.7, page 117) Document the progress of analogous and digital channels' test units with test value records.	Ctrl+M	Functions
	Configuration (CID-Pro 4.02 - Settings) (section 4.2, page 35) Configure your software to meet your needs.	Ctrl+S	Functions
	Operating hours and event counter (section 4.8, page 123) Display your operating hours and events.	Ctrl+C	Functions
	Event logs (reports) (section 4.9, page 125) All changes, warnings, and errors can be displayed and provided with comments.	Ctrl+R	Functions
	Help	F1	Help
	Info Software information (section 7.2, page 161)	Ctrl+I	Information

Buttons of the event logs

Menus	Symbol	Submenus	Key combination	Reference
File		New	Ctrl+N	New report cf. sec 4.9.3.1, p. 127
		Load	Ctrl+L	Load report cf. sec 4.9.3.2, p. 127
		Delete	Ctrl+Del	Delete report cf. sec 4.9.3.3, p. 127
		Print… — List **completely**	Ctrl+C	
		List compl. as PDF		Print report … cf. sec 4.9.3.4, p. 128
		List filtered	Ctrl+F	
		List filtered as PDF		
		Export… — List completely		Export report … cf. sec 4.9.3.5, p. 128
		List filtered		
		Exit	Ctrl+E	Exit the event logs
Error list!				Error list cf. sec 4.9.3.6, p. 129
Power fail!				Power fail cf. sec 4.9.3.7, p. 131
E-Mail message!				E-Mail message cf. sec 4.9.3.8, p. 132
Extras		Options…	Ctrl+O	Options cf. sec 4.9.3.9, p. 135
Help		Help	F1	

Buttons of the editor

Menus	Symbol	Submenus		Also in tool bar	Key combination	Reference
File		New …		X	Ctrl+N	New test program cf. sec 4.4.4.1, p. 69
		Open...		X	Ctrl+O	Open test program cf. sec 4.4.4.2, p. 69
		Save		X	Ctrl+S	Save (as) test program cf. sec 4.4.4.3, p. 70
		Save As		X	Ctrl+A	
	---	Printer/Page install			Ctrl+I	
		Print …	Print Graphic		Ctrl+G	Printer/page setup and print … cf. 4.4.4.5, p. 71
			Print List		Ctrl+L	
			Print Both		Ctrl+B	
			Print Screen		Ctrl+T	
		Print as PDF…	Print Graphic			Print as PDF… cf. sec 4.4.4.6, p. 72
			Print List			
			Print Screen			
	---	Files last opened				Open test program (4.4.2)
		Exit		X	Ctrl+E	Exit the editor
Edit		Insert Line		X	Ins	
		Delete Line		X	Del	Edit lines (insert, change, delete, cut, and copy) with keyboard/menu functions cf. sec 4.4.3.1, p. 60
		Cut Line		X	Ctrl+X	
		Copy Line		X	Ctrl+C	
		Paste Line		X	Ctrl+V	
		Block copy/insert ...			F6	Block of lines cf. sec 4.4.4.7, p. 72
		Block delete ...			F7	
		Insert Start of Loop		X	F2	Loop (loop beginning and end) cf. sec 4.4.4.8, p. 74
		Insert End of Loop		X	F3	
		Call Subprogram		X	F4	Call Subprogram cf. sec 4.4.4.9, p. 75
		Insert Conditional Jump		X	F5	Conditional jump cf. sec 4.4.4.10, p. 76
		Insert Program		X	F10	Insert Program cf. sec 4.4.4.11, p. 77
		Refresh			F11	Refresh the editor
Templates		Templates				Templates cf. sec 4.4.4.12, p. 78
Extra		Options			Ctrl+P	Options cf. sec 4.4.4.13, p. 79
		Delete Program			Ctrl+D	Delete test program cf. sec 4.4.4.4, p. 70
		Gradient	...with (Valued Calculation)		F8	Set Temperature Gradient cf. sec 4.4.4.14, p. 82
			...to (Time Calculation)		F9	
		Save File in Data pool ...			Ctrl+F	Save file in data pool cf. sec 4.4.4.15, p. 86
		Save File as Library ...				Save file as library cf. sec 4.4.4.16, p. 86
		Delete Template(s) / Library(ies)				Delete Templates and Libraries
Comment!						Comment cf. sec 4.4.4.17, p. 87
		Zoom functions				Zoom functions cf. sec 4.4.4.18, p. 88

Buttons of the graphical measurement-data analysis

Menus	Symbol	Submenus	Also in toolbar	Key combination	Reference
File		Open…	X	Ctrl+O	Open and load measurement cf. sec 4.5.3.1, p. 93
		Delete	X	Ctrl+D	Delete measurement cf. sec 4.5.3.3, p. 95
		Print	X	Ctrl+P	Print measurement cf. sec 4.5.3.4, p. 96
		Print as PDF	X	Ctrl+F	Print measurement as PDF cf. sec 4.5.3.5, p. 96
	---	Files last opened			Open and load measurement (4.5.3.1)
		Exit	X	Ctrl+E	Exit the graphical measurement-data analysis
Zoom		Complete Frame/Restore	X	Ctrl+R	
		Zoom Out	X	Ctrl+U	Zoom functions cf. sec 4.5.3.6, p. 97
		Zoom	X	Ctrl+Z	
		Zoom to cursor positions	X	Ctrl+S	
View		Display		Ctrl+I	Display cf. 4.5.3.7, p. 99
		Analysis		Ctrl+A	Analysis cf. sec 4.5.3.8, p. 99
Extra		Options	X	Ctrl+T	Options cf. 4.5.3.9, p. 100
		Convert to MS-Excel-Program		Ctrl+X	Excel conversion program cf. sec 4.5.3.10, p. 103
		Display completely Value cursor pos.			Display Measurement Values cf. sec 4.5.3.11, p. 106
		Copy to Clipboard		Ctrl+C	Copy to clipboard cf. sec 4.5.3.12, p. 106
		Join Measurement Files		Ctrl+M	Merge measurement files cf. sec 4.5.3.13, p. 107
		Cut current Measurement File (Cursor)			Cut current Measurem. File cf. sec 4.5.3.14, p. 107
Settings		Setting 1	X		
		Setting 2	X		
		Setting 3	X		
		Setting 4	X		
		Setting 5	X		Settings cf. sec 4.5.3.15, p. 108
		Setting 6	X		
		Setting 7	X		
		Setting 8	X		
		Setting 9	X		
		Setting 10	X		
		New Setting			
		Delete Setting			
Help		Help		F1	
Comment!					Comment cf. sec 4.5.3.16, p. 110

Buttons of the visualization

Menus	Symbol	Submenus	Key combination	Reference
Close!				Exit visualization
Extra		Configuration	Ctrl+C	Configure setting cf. 4.10.4.1, p. 139
		Load Settings	Ctrl+L	Load setting cf. 4.10.4.3, p. 142
		Save Settings	Ctrl+S	Save setting cf. 4.10.4.2, p. 141
		Reset Settings	Ctrl+R	Reset setting cf. 4.10.4.4, p. 142
Units		Units		Test unit display cf. 4.10.4.5, p. 142