

CID-PRO 5 - Quick Start Guide

Status overview:

Toolbar and menu bar
All functions of the software

Unit information
of the selected cabinet

Overview of all Test cabinets

Operation status
of the selected cabinet

Error status
of the selected cabinet

Program status
of the selected cabinet
Program status with all important information!

Trend and Auto Graph

Digital Channels:
Softkeys and indicators of the selected cabinet

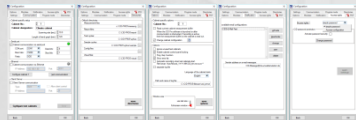
Analogue Channels:
Set and actual values, limits and matching symbol of the selected cabinet

Messages (change, error, warning and operation messages)
Overview of all messages for all test cabinets

Error list
All pending errors, warnings and operation messages of the selected cabinet

Numeric keypad
to set/change the selected values

Configuration:

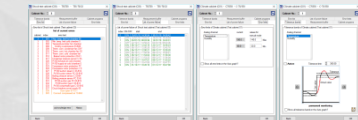


- Settings:**
Number of test cabinets and language.
- Communication:**
Cabinet designation, scanning rate, serial / Ethernet interface, client/server and configuration.
- Program mode**
- Directories**
- Options**
- Modules**
- Notification**
- Access rights:**
Simple password or Access configuration.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

Adding a test units for communication

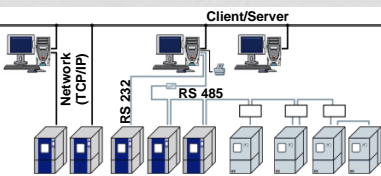
- Select the **Cabinet Number**
- Enter the **Cabinet Designation**
- Set the **Scanning rate** in seconds
- Select the type of communication:
 - Serial parameters:**
COM port, baud rate, parity, data bits and stop bits
 - Ethernet parameters:**
IP address and IP port
- Test the communication**
- Save**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

Cabinet information:

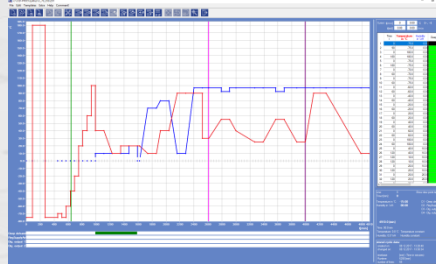


- Error list with error history**
shows a list of all errors and warnings currently pending in the chosen cabinet. The occurrence, resolution, and acknowledgement (deletion) of individual errors and warnings is listed chronologically.
- List of power failures**
shows a list of all power failures detected 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 intern measurement buffer.
- Cabinet programs**
Possibility to read out and send the programs.

Device network:



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.

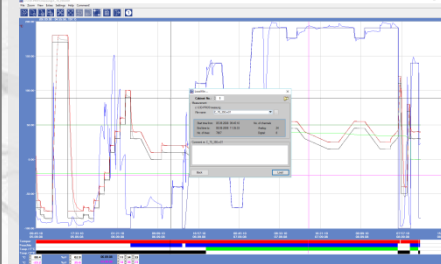
- Save generated program under a desired name ending with the test cabinet number.
- Print the graph, the list or both.

→ 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:

- Define Cabinet No. for which unit measurements are to be loaded.
- Filename lists all files that were recorded with the selected test cabinets.
- Search for measurement files on the drive.
- Load the desired measurement file.
- "Active record" opens a currently saved record.

- 20 zoom levels (right mouse button).

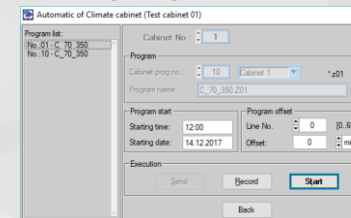
Options:

- Adjust the analogue and digital channels (Colour of set/actual values, ranges and scales).
- Generates default values.
- Optimize display (make the cursor, display and evaluation (analysis) visible, adapt details and real-time display).

Other:

Excel conversion program, merge and cut measurement files and display comments. Data exchange via shared memory function.

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.

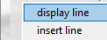
Report module:

| Date | Time | Cabinet | Action |
|----------|----------|---------|----------------------------------------------------------------------------------------------|
| 19/02/18 | 11:22:39 | 01 | CID Start Cycle No. 1, C:\CID-PRO5\qkhai\C_70_350.stl running. Elapsed time: 00:00 [h:mm:ss] |
| 19/02/18 | 11:22:40 | | CID User accounts not active! |
| 19/02/18 | 11:22:41 | 01 | Driver: Contact disconnected at 19.063 |
| 19/02/18 | 11:22:41 | 01 | Driver: Rising pressure sensor FC 03.6 |
| 19/02/18 | 11:22:41 | 01 | Test cabinet assigned in manual mode |
| 19/02/18 | 11:23:04 | | CID-Phi END: 5.00.001-2 |
| 19/02/18 | 11:23:06 | 02 | TCP connection to test cabinet 2 (IP addr: 192.168.1.180) established. |
| 19/02/18 | 11:23:06 | 02 | TCP connection to test cabinet 3 (IP addr: 192.168.1.181) established. |
| 19/02/18 | 11:23:07 | 01 | CID Start Test cabinet is changed now! |
| 19/02/18 | 11:23:07 | 01 | CID Start Cycle No. 1, C:\CID-PRO5\qkhai\C_70_350 not running any more |
| 19/02/18 | 11:23:08 | | CID User accounts not active! |
| 19/02/18 | 11:23:11 | 01 | Driver: Rising pressure sensor FC 03.6 |
| 19/02/18 | 11:23:11 | 01 | Test cabinet assigned in manual mode |
| 19/02/18 | 11:23:30 | | CID-Phi START: 5.00.001-2 |
| 19/02/18 | 11:23:32 | 02 | TCP connection to test cabinet 2 (IP addr: 192.168.1.180) established. |
| 19/02/18 | 11:23:32 | 02 | TCP connection to test cabinet 3 (IP addr: 192.168.1.181) established. |
| 19/02/18 | 11:23:34 | | CID User accounts not active! |
| 19/02/18 | 11:23:37 | 01 | Driver: Rising pressure sensor FC 03.6 |
| 19/02/18 | 11:23:42 | 01 | Test cabinet started in manual mode |
| 19/02/18 | 11:24:00 | 01 | Temperature sensor changed from 20.0 °C to 25.0 °C |
| 19/02/18 | 11:24:00 | 01 | Digital channel Dig. output 1 set to 1 by CID |
| 19/02/18 | 11:24:03 | 01 | Digital channel Dig. output 2 set to 1 by CID |
| 19/02/18 | 11:24:33 | 01 | Test cabinet started in manual mode |
| 19/02/18 | 11:31:32 | 03 | Test cabinet started in manual mode |
| 19/02/18 | 11:31:37 | 03 | Program: C:\CID-PRO5\qkhai\SchubPhi_001, number 19 started |
| 19/02/18 | 11:35:27 | 01 | Measure the C:\CID-PRO5\messing\22222-01 with 30 sec. interval activated manually. |
| 19/02/18 | 11:40:51 | 01 | Digital channel Dig. output 1 set to 0 by CID |
| 19/02/18 | 11:40:51 | 01 | Digital channel Dig. output 2 set to 0 by CID |
| 19/02/18 | 11:40:56 | 01 | Temperature sensor changed from 25.0 °C to 20.0 °C |

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

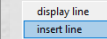
Display line:

Mark line, confirm right mouse button



Insert line (comment):

Mark line, confirm right mouse button

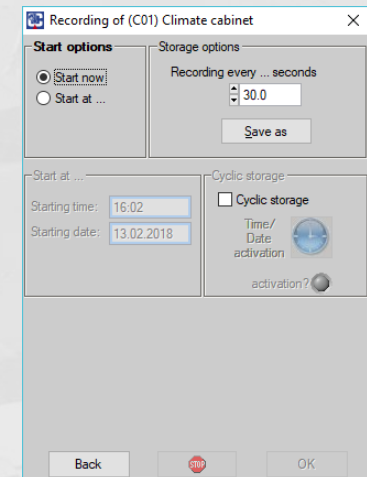


→ Insert comment

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.

Buttons in the status overview

| Symbol | Description + reference | Key combination | Menus |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|
| | Exit the software | | Exit! |
| | Visualisation (section 15, page 136) Visually displays all cabinets in a self-created environment | Ctrl+V | Functions |
| | Status overview of all test cabinets (section 8, page 60) Overview of all connected test cabinets at a glance | Ctrl+O | Functions |
| | Program editor (editor module) (section 9, page 61) Create, edit, modify and delete programs | Ctrl+E | Functions |
| | Measurement data analysis graph (graphic module) (section 10, page 99) Evaluation all measured data in a diagram | Ctrl+G | Functions |
| | Starting programs (automatic mode) (section 11, page 121) Start a program in automatic mode | Ctrl+A | Functions |
| | Manual measurement value recording (section 12, page 125) Document the history of analogue and digital channels by recording | Ctrl+M | Functions |
| | Configuration (section 6, page 32) Software configuration | Ctrl+S | Functions |
| | Cabinet information (section 7, page 54) Display all cabinet information | | Functions |
| | Operating hours and event counter (section 13, page 130) Display the operating hours and events | Ctrl+C | Functions |
| | Event logs (report module) (section 14, page 131) Display all modifications, warnings and errors and leave comments | Ctrl+R | Functions |
| | Help | F1 | Help |
| | Service data ... (section 5.15, page 31) | | Help |
| | Information Software information (section 19.1, page 161) | Ctrl+I | Help |
| | Search for updates ... (section 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 cf. sec 9.5, p. 78 | |
| | | Open | X | Ctrl+O | Open program cf. sec 9.6, p. 78 | |
| | | Save | X | Ctrl+S | Save program (as) cf. sec 9.7, p. 79 | |
| | | 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 | Printer/Page setup and print ... cf. sec 9.9, p. 80 | |
| | | Print as PDF... | Print graph Print list Print screen | | | Print as PDF... cf. sec 9.10, p. 81 |
| | ... | Files last opened | | | | Open program (9.6) |
| | | Exit | | X | Ctrl+E | Exit the editor module |
| | Edit | | Insert line | X | Ins | |
| | | | Delete line | X | Del | Edit lines (insert, change, delete, cut and copy) with keyboard/menu functions cf. sec 9.4.3, p. 68 |
| | | | Cut line | X | Ctrl+X | |
| | | | Copy line | X | Ctrl+C | |
| | | | Paste line | X | Ctrl+V | |
| | | Copy/insert block ... | | F6 | Block of lines cf. sec 9.11, p. 82 | |
| | | Delete block ... | | F7 | | |
| | | Insert Start of Loop | | X | F2 | Loop (loop beginning and end) cf. sec 9.12, p. 83 |
| | | Insert End of Loop | | X | F3 | |
| | | Call subprogram | | X | F4 | Call Subprogram cf. sec 9.13, p. 84 |
| | | Insert conditional jump | | X | F5 | Conditional jump cf. sec 9.14, p. 85 |
| | Insert program | | X | F10 | Insert program cf. sec 9.15, p. 86 | |
| | Refresh | | | F11 | Refresh the editor module | |
| Templates | | Templates | | | Templates cf. sec 9.16, p. 87 | |
| Extras | | Options | | | Options cf. sec 9.18, p. 89 | |
| | | Delete program | | | Delete test program cf. sec 9.8, p. 79 | |
| | | Gradient... ...by (valued calculation) ...to (time calculation) | | | F8 F9 | Set Temperature Gradient cf. sec 9.19, p. 92 |
| | | Save file in data pool ... | | | Ctrl+F | Save file in data pool cf. sec 9.20, p. 95 |
| | | Save file as library ... | | | | Save file in library cf. sec 9.21, p. 95 |
| | Help | | Help | | | F1 |
| | | Info... | | | | |
| Comment! | | | | | Comment cf. sec 9.22, p. 96 | |
| | | Zoom functions | | | Zoom functions cf. sec 9.23, p. 97 | |

Buttons in the graphic module

| Menus | Symbol | Submenus | Also in tool bar? | Key combination | Reference | |
|----------|--------|----------------------------------------|-------------------|-----------------|---------------------------------------------------|--------------------------------------------------------|
| File | | Open... | X | Ctrl+P | Open and load measurement cf. sec 10.4, p. 102 | |
| | | Delete | X | Ctrl+D | Delete measurement cf. sec 10.6, p. 103 | |
| | | Print | X | Ctrl+P | Print measurement cf. sec 10.7, p. 104 | |
| | | Print as PDF | X | Ctrl+F | Print measurement as PDF cf. sec 10.8, p. 104 | |
| | ... | 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 cf. sec 10.9, p. 105 | |
| | | Zoom | X | Ctrl+Z | | |
| | | Zoom to cursor positions | X | Ctrl+S | | |
| View | | Display | | Ctrl+I | Display cf. sec 10.10, p. 106 | |
| | | Evaluation | | Ctrl+A | Analysis cf. sec 10.11, p. 106 | |
| Extras | | Options | X | Ctrl+T | Options cf. sec 10.12, p. 107 | |
| | | Excel conversion program | | Ctrl+X | Excel conversion program cf. sec 10.13, p. 112 | |
| | | Display values | X | | all cursor pos. | Display measurement values cf. sec 10.14, p. 116 |
| | | Copy to clipboard | | | Ctrl+C | Copy to clipboard cf. sec 10.15, p. 116 |
| | | Join measurement files | | | Ctrl+M | Merge measurement files cf. sec 10.16, p. 117 |
| | | Cut current measurement files (cursor) | | | | Cut current measurement files cf. sec 10.17, p. 117 |
| Settings | | Settings 1 to 10 available | X | | | |
| | | Settings 1 to 10, if selected | X | | | |
| | | New setting | | | Settings cf. sec 10.18, p. 118 | |
| | | Delete setting | | | | |
| | | Delete ALL settings | | | | |
| Help | | Help | | | F1 | |
| | | Info... | | | | |
| Comment! | | | | | Comment cf. sec 10.19, p. 120 | |

Buttons in the report module

| Menus | Symbol | Submenus | Key combination | Reference | |
|--------|--------|-----------|--------------------------------------------------|-----------------------------------------|---------------------------------------------|
| File | | Load | Ctrl+L | Load a report cf. sec 14.3, p. 133 | |
| | | Delete | Ctrl+Del | Delete a report cf. sec 14.4, p. 133 | |
| | | Print... | whole list whole list as PDF filtered list | Ctrl+W | Print a report ... cf. sec 14.5, p. 134 |
| | | | filtered list as PDF | Ctrl+F | |
| | | Export... | whole list filtered list | | Export a report ... cf. sec 14.6, p. 134 |
| | | Exit | | Ctrl+E | Exit the report module |
| Extras | | Options | Ctrl+O | Options cf. sec 14.7, p. 135 | |
| | | Help | F1 | | |
| Help | | Info... | | | |

Buttons in the visualisation

| Menus | Symbol | Submenus | Key combination | Reference |
|---------------|--------|----------------|-----------------|-------------------------------------------|
| Close! | | | | Exit visualisation |
| Extras | | Configuration | Ctrl+C | Configure setting cf. sec 15.4, p. 138 |
| | | Load settings | Ctrl+L | Load setting cf. sec 15.6, p. 140 |
| | | Save settings | Ctrl+S | Save setting cf. sec 15.5, p. 140 |
| | | Reset settings | Ctrl+R | Reset setting cf. sec 15.7, p. 140 |
| Test cabinets | | Test cabinets | | Test unit display cf. sec 15.8, p. 140 |

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