



Inspired by **temperature**

Software FlowHow+

Manual

huber

Software FlowHow+

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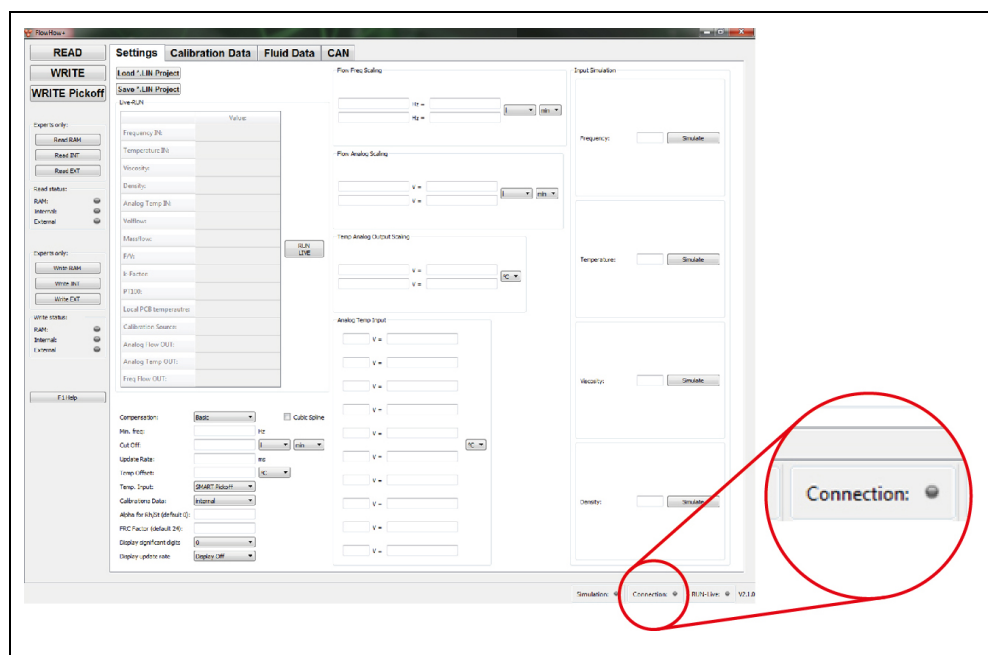
1 Installing the software

PROCEDURE

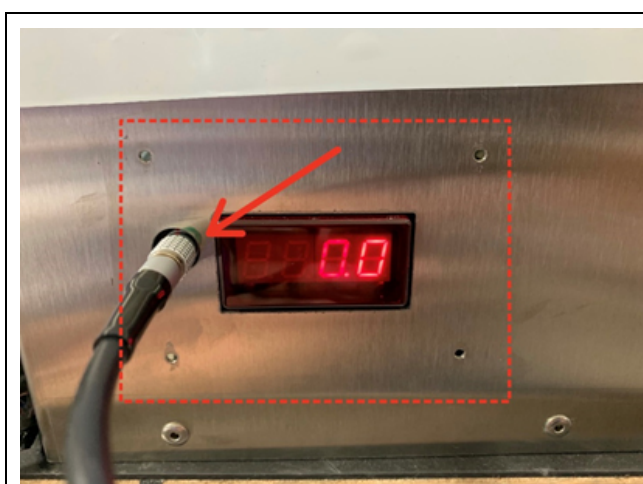
- Download the software "FlowHow+".
The installation file can be found on our home page under:
www.huber-online.com → "Service & Download" → "Downloads" → "Software".
- Unpack the file onto your hard disk. The folder contains the folders "FlowHow+" and "TrigasDM_USB-Driver".
- First install the correct USB driver for your operating system.

2 Preparing / changing the thermal fluid

Example: Connection is not established



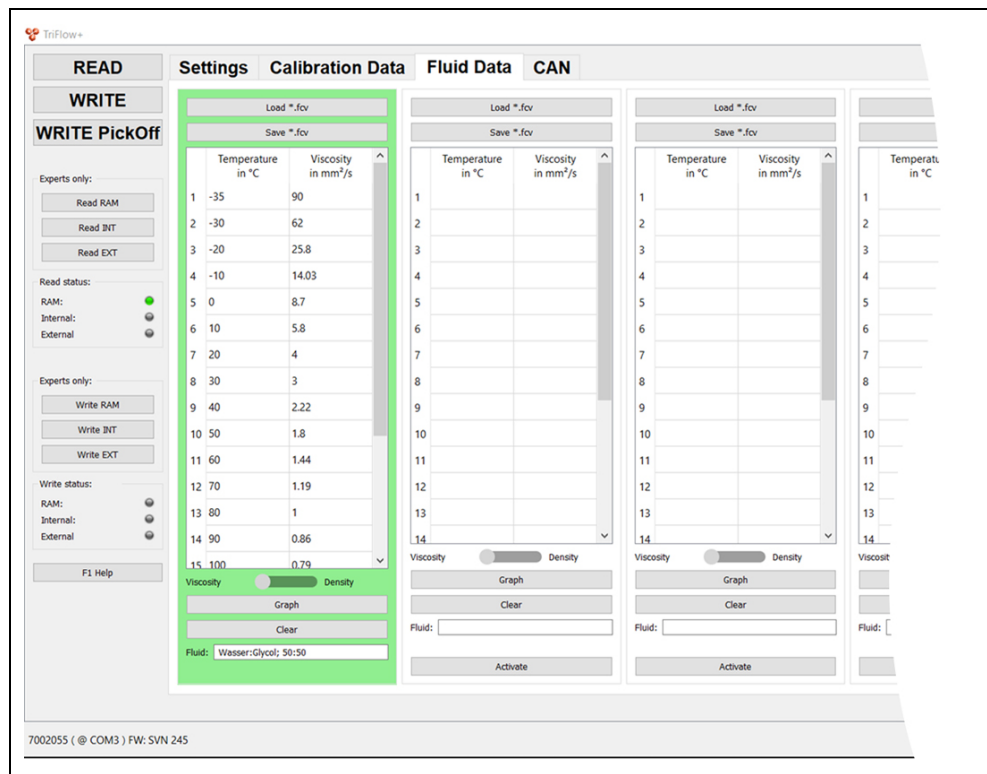
Flow Control Cube:
Connection jack and display



PROCEDURE

- Open the folder "FlowHow+".
- Open the program "FlowHow+.exe".
- Connect the Flow Control Cube TURB with the temperature control unit.
- Switch on the temperature control unit. **No** temperature control may be started.
- Connect the Flow Control Cube TURB with the building's power supply.
The display on the Flow Control Cube TURB shows "0.0".
- Connect the supplied parameterizing cable with the computer and the Flow Control Cube. The connection jack is concealed behind a cover to the left of the display.
The window "Information" is shown in the FlowHow+ software.
- Confirm the message by clicking on "Yes".
An established connection is indicated by a green dot next to "Connection:".

Setting / adjusting the thermal fluid



- Click on the tab "Fluid Data". Below this tab the selected thermal fluid is shown (green frame). In the example, this is the thermal fluid "Water/Glycol".

INFORMATION

Two options are provided to change the type of thermal fluid.

- a) Manually
- b) Loading saved settings.

Up to 5 thermal fluids can be stored in the software and activated as required.

2.1 Manually selecting the thermal fluid

Manual setting

The interface consists of two main panels. The left panel is the initial state, and the right panel is the state after manual selection.

Left Panel (Initial State):

- Buttons: Load *.fcv, Save *.fcv, Viscosity (selected), Density, Graph, Clear, Fluid: (text field), Activate.
- Table:

	Temperature in °C	Viscosity in mm²/s
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

Right Panel (Activated State):

- Buttons: Load *.fcv, Save *.fcv, Viscosity (selected), Density, Graph, Clear, Fluid: Ethanol.
- Table (highlighted with a green border):

	Temperature in °C	Viscosity in mm²/s
1	-50	6
2	-40	5.2
3	-30	4.3
4	-20	3.5
5	-10	2.8
6	0	2.2
7	10	1.8
8	20	1.5
9	30	1.3
10	40	1.1
11	50	0.95
12		
13		
14		
15		

Annotations: [A] points to the Temperature input field, [B] points to the Viscosity input field, [C] points to the Save *.fcv button, [D] points to the Fluid: text field, [E] points to the Activate button, and [F] points to the green border around the table.

PROCEDURE

- Enter the temperature under **>Temperature in °C<** [A].
 - Enter the viscosity the thermal fluid exhibits at the temperature entered beforehand under **>Viscosity in mm²/s<** [B].
 - Save your settings with the button **>Save *.fcv<** [C].
The name specified during saving is shown under **>Fluid:<** [D].
 - Activate the thermal fluid by clicking on **>Activate<** [E]. The activated thermal fluid is indicated by a green frame. The values can be viewed in window [F].
 - Click on the "WRITE" button (see page 7, figure »Setting / selecting thermal fluid«).
- After that, you can close the program and remove the cable.

2.2 Loading the thermal fluid via the saved “.fcv” file

Load setting

The image shows two versions of a software interface side-by-side. The left version is in a standard grey theme, while the right version is highlighted with a green border, indicating it is the active state. Both interfaces have a 'Load *.fcv' button at the top left, labeled [A]. Below it is a 'Save *.fcv' button. A table with 14 rows and 2 columns (Temperature in °C and Viscosity in mm²/s) is in the center. Below the table are 'Viscosity' and 'Density' radio buttons, a 'Graph' button, and a 'Clear' button. At the bottom is a 'Fluid:' text field, labeled [B], and an 'Activate' button, labeled [C]. In the active (green) version, the 'Fluid:' field contains the text 'Ethanol' and is also labeled [B]. A vertical scrollbar on the right side of the table in the active version is labeled [D].

PROCEDURE

- Load the thermal fluid setting by clicking on **>Load *.fcv<** [A].
The designation of the thermal fluid is shown under **>Fluid:<** [B].
- Activate the thermal fluid by clicking on **>Activate<** [C]. The activated thermal fluid is indicated by a green frame. The values can be viewed in window [D].
- Click the “WRITE” button.
After that, you can close the program and remove the cable.

Inspired by **temperature** designed for you

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