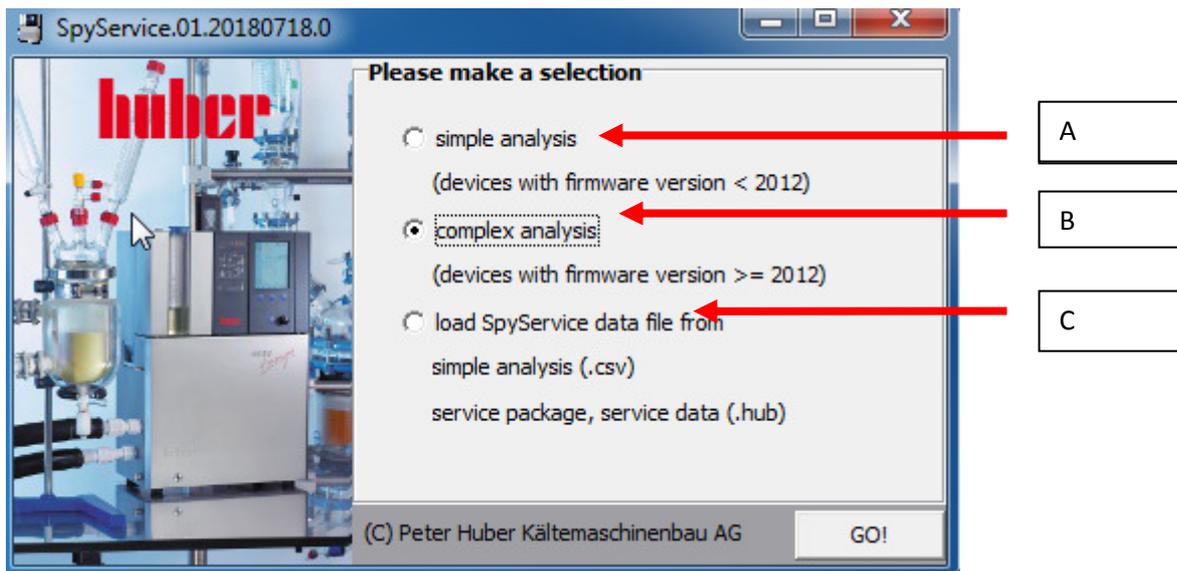


Spyservice Manual

1. Install the software from the Huber website,
http://www.huber-online.com/en/download_software.aspx
2. Start the installed software, see to the start screen.



A.) Simple Analysis -> Choose for a data logging when the Huber unit software is older than the year 2012

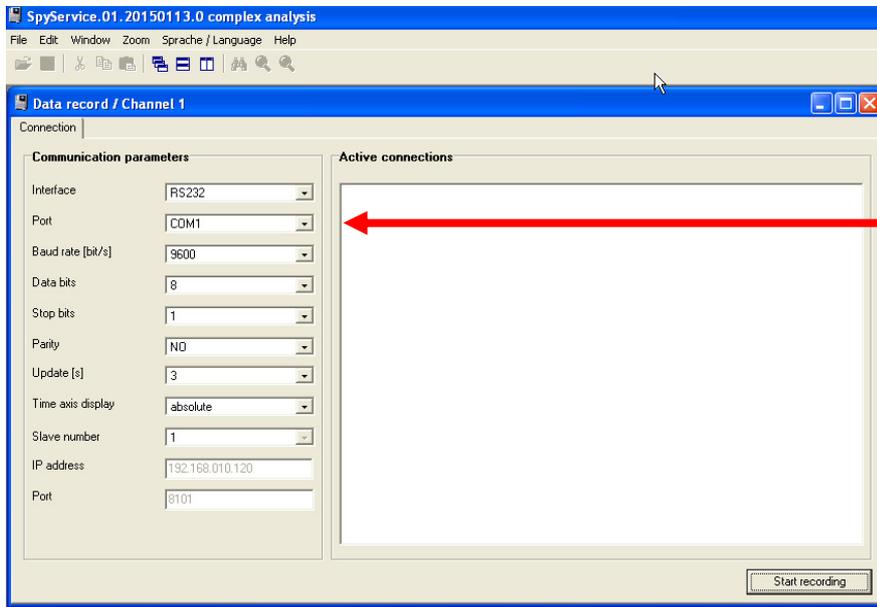
B.) Complex Analysis -> Choose for a data logging when the Huber unit software is newer or from the year 2012

C.) Load Spyservice data file -> Choose for opening an existing logging file.

Procedure of creating a logging file, simple & complex analysis

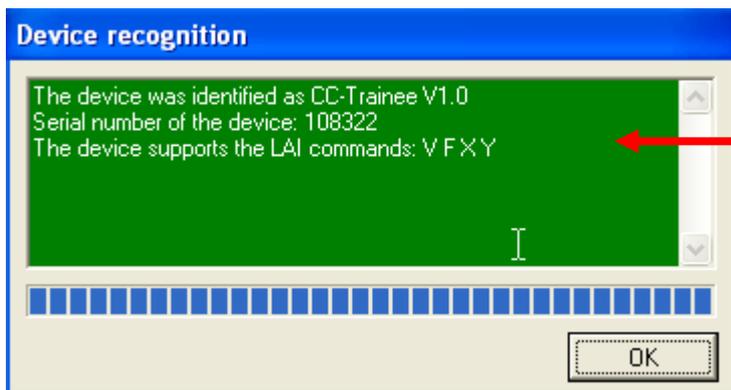
Connect the unit with a RS232 #6146 or USB (before install the USB driver from the Huber website) or Ethernet cable.

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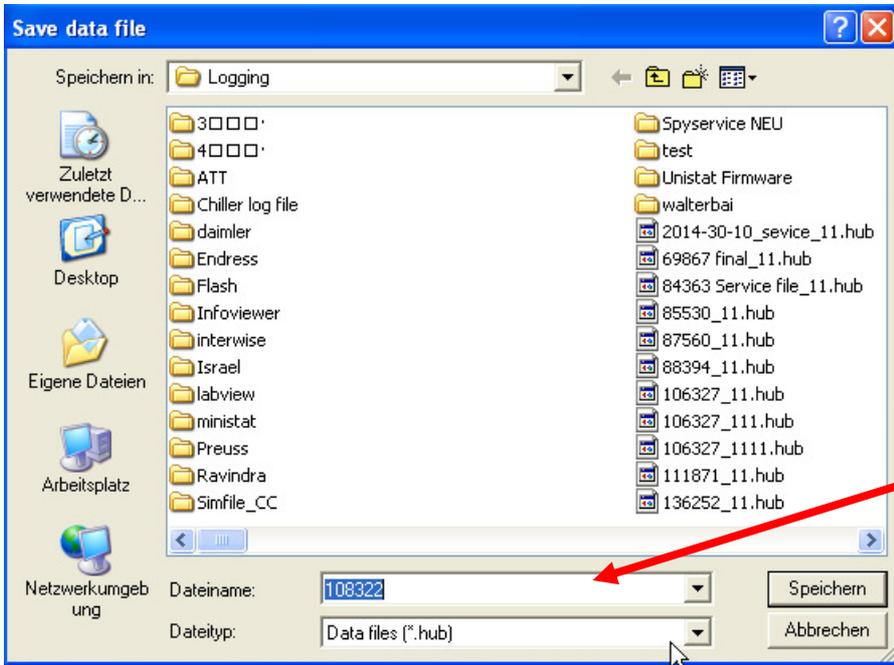


Take care of the port number

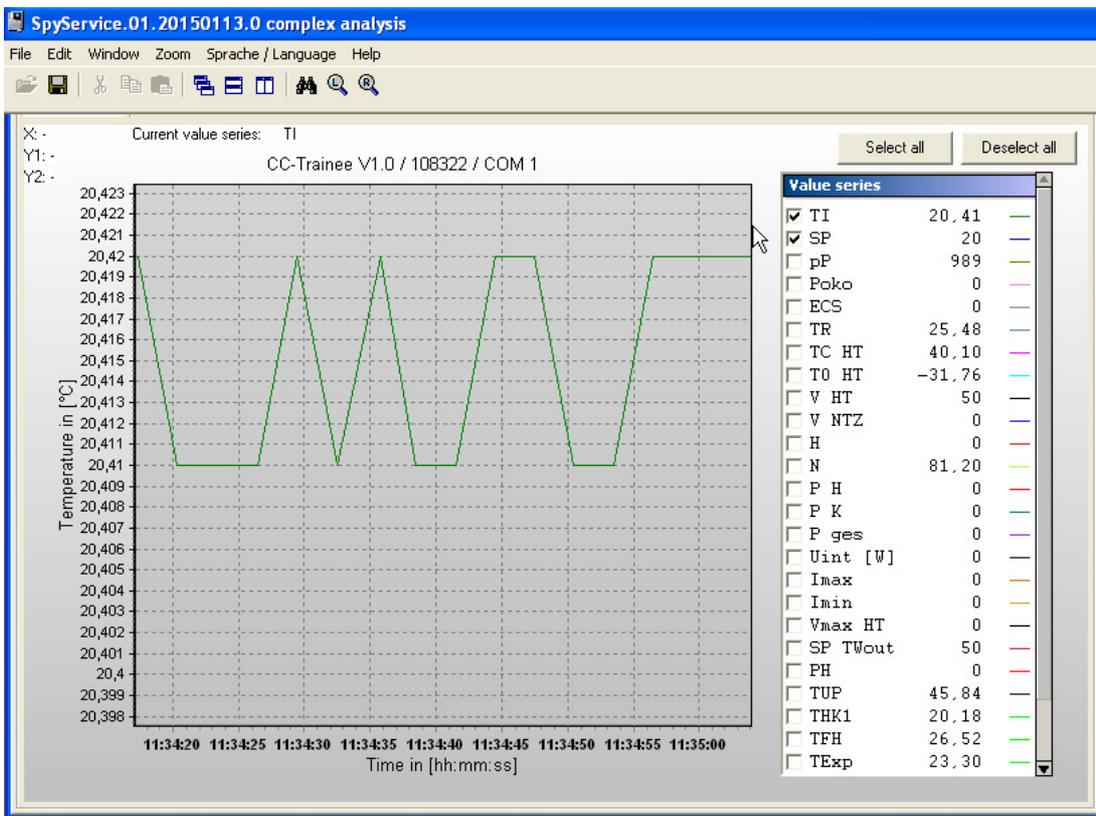
Start recording



Green field means there is a good data communication with the unit. Press ok

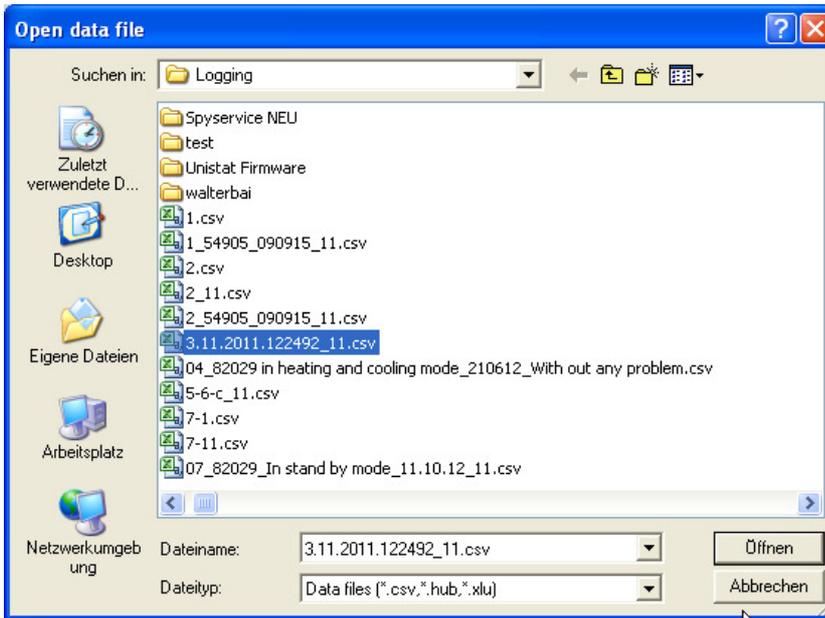


Save the new file in your directory. Choose the serial number as the file name.

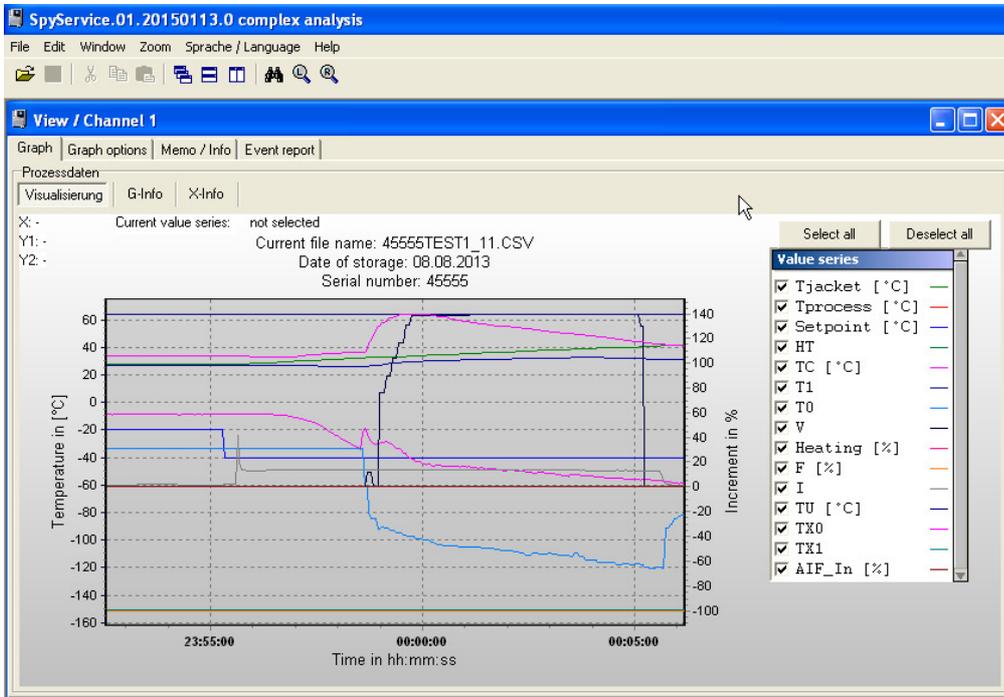


Different temperatures will be displayed inside the diagram. Let the unit run from 20°C to lower end temperature and back to 20°C. Afterwards finish the logging and send the created file via email to Huber for investigation.

Procedure by opening an existing logging file



Select the file in the directory, which you want to open



The logging file will be displayed

Description of the displayed data

Tintern / TI / Tint.	Internal oil outlet temperature (Machine pump outlet)
Textern / TE	External PT100 temperature (if connected)
Sollwert / SP	Setpoint in °C
HT	HT slider (If fitted 0 - 250 steps)
TC / Tcond.	Condensation temperature in °C
T1 / TVE	Evaporator-end temperature in °C
T0	Evaporation in °C
V	Stepper motor position (0 - 250 steps)
Heizung	Power main heating (0 - 100%)
F	Power fine heating (0 - 100%)
I	Current draw (not a real value!)
TU	Additional sensor in some machines (Nuevo: Fluid inlet temperature)
TX0	Additional sensor in some machines (Nuevo: Heating OT sensor)
TX1	Additional sensor in some machines (Nuevo: Exp. Tank)

AIF	OT sensor)
POKO	Analog Interface
ECS	Potential free contact
nP/ speed	External control signal e.g.standby / run
pP/ pressure	Pump speed
TC HT	Pump pressure
	Condensation temperature of the HT stage with 2 stage machines.
TH1	Temperature on heater