

1. Choose valve at the Manufacturer/Model/Size bars or from a Project ID number and Setvalue button.
2. Tap and drag to change the valve position.

Balance Function Graph

Set Value ValveData

abc

1

2

3

Method 1 Method 2

Sensor

Manufacturer:

Model:

Size:

Required Flow, l/h:

Position: KV:

Flow, l/h:

DiffPressure, mbar:

Static pressure, bar:

Temperature T1, °C:

Temperature T2, °C:

Temperature T0, °C:

Power, Watt:

☐ Stabilize

Start Measure Stop Measure Save As

System: -

Name: -

Model: -

Size: -

Flow: -

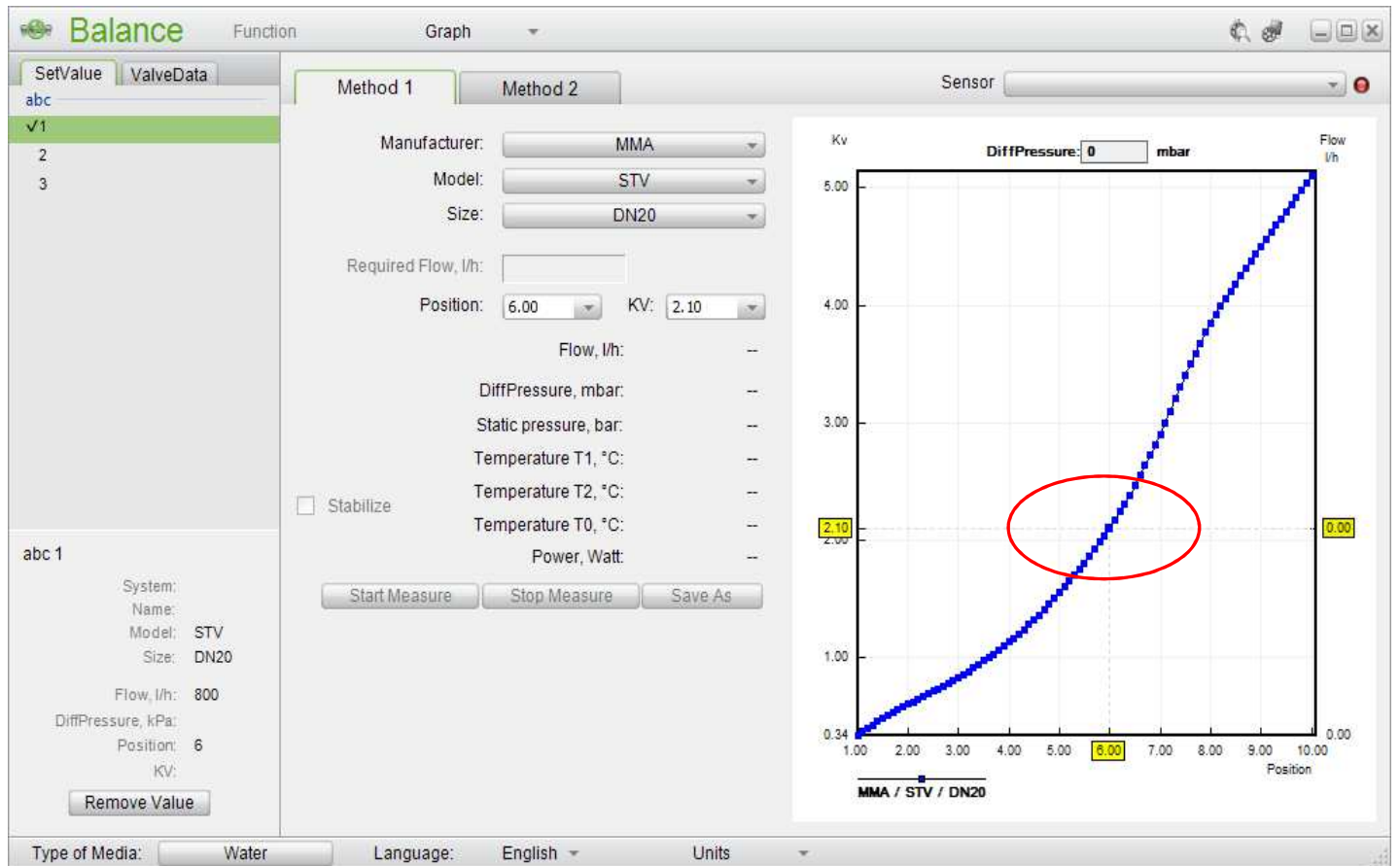
DiffPressure: -

Position: -

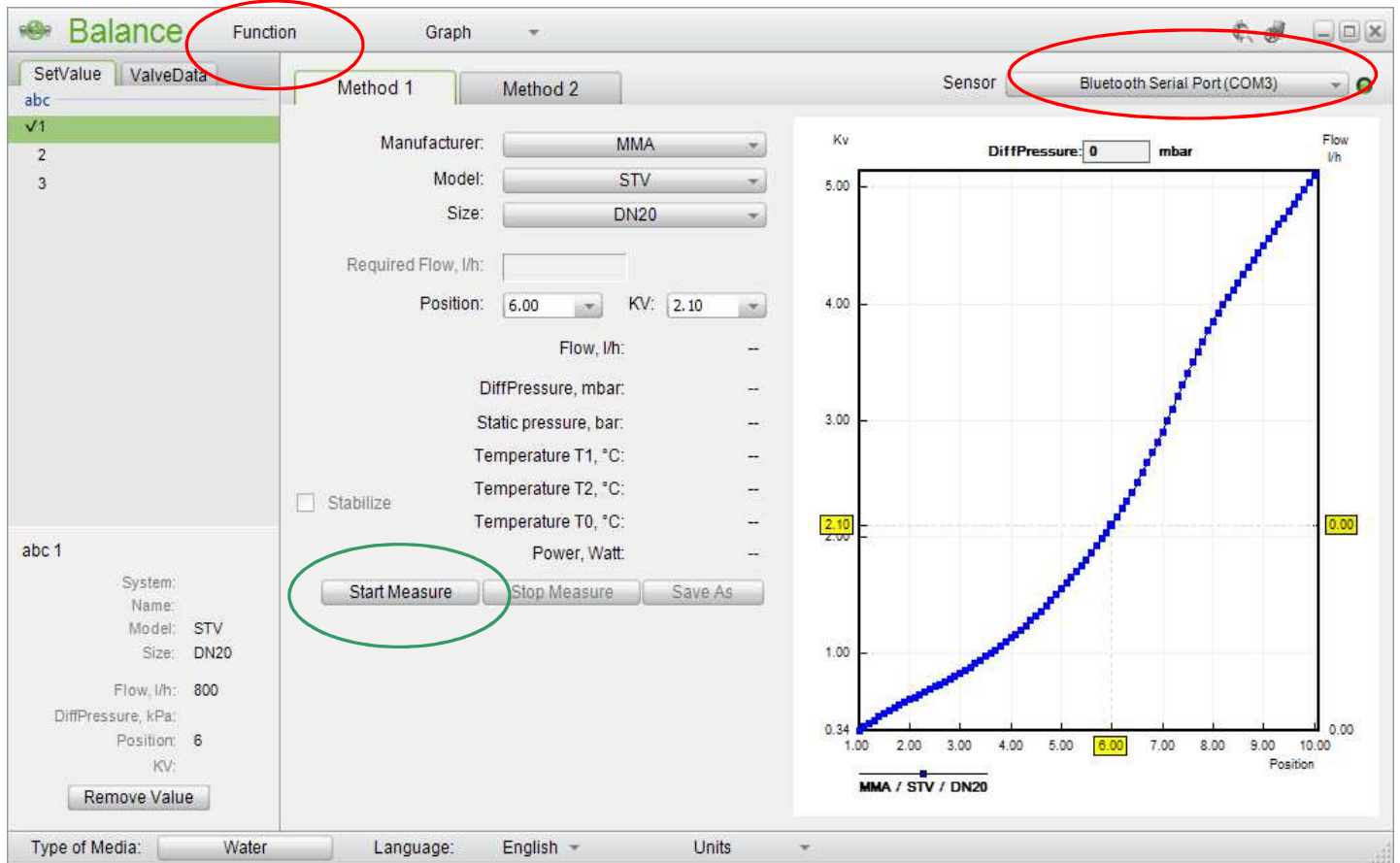
KV: -

Set Value

Type of Media: Water Language: English Units



1. Connect Balance Flex to the sensor.
2. Perform a offset calibration with the sensor at atmospheric pressure. Click at Function, Offset Calibration, Continue and OK
3. Click at Start Measure and perform a zero process.



The 'Function Test' dialog box displays the following information:

- UserName:** 10080010
- Sensor:**
 - Model: PFMFLEX
 - Version: 01.30
 - Offset Voltage (mV): 0
 - Protocol version: 10
- Battery:**
 - Capacity (mAh): 6600
 - Used (mAh): 6600
 - Expected discharge time 0 (hours)
- Service Constants:**
 - C0: 0.02507
 - C1: 0.23954
 - C2: 0.0035
 - C3: 0.00024
 - kStap: -33.62
 - Enkel: 0.008

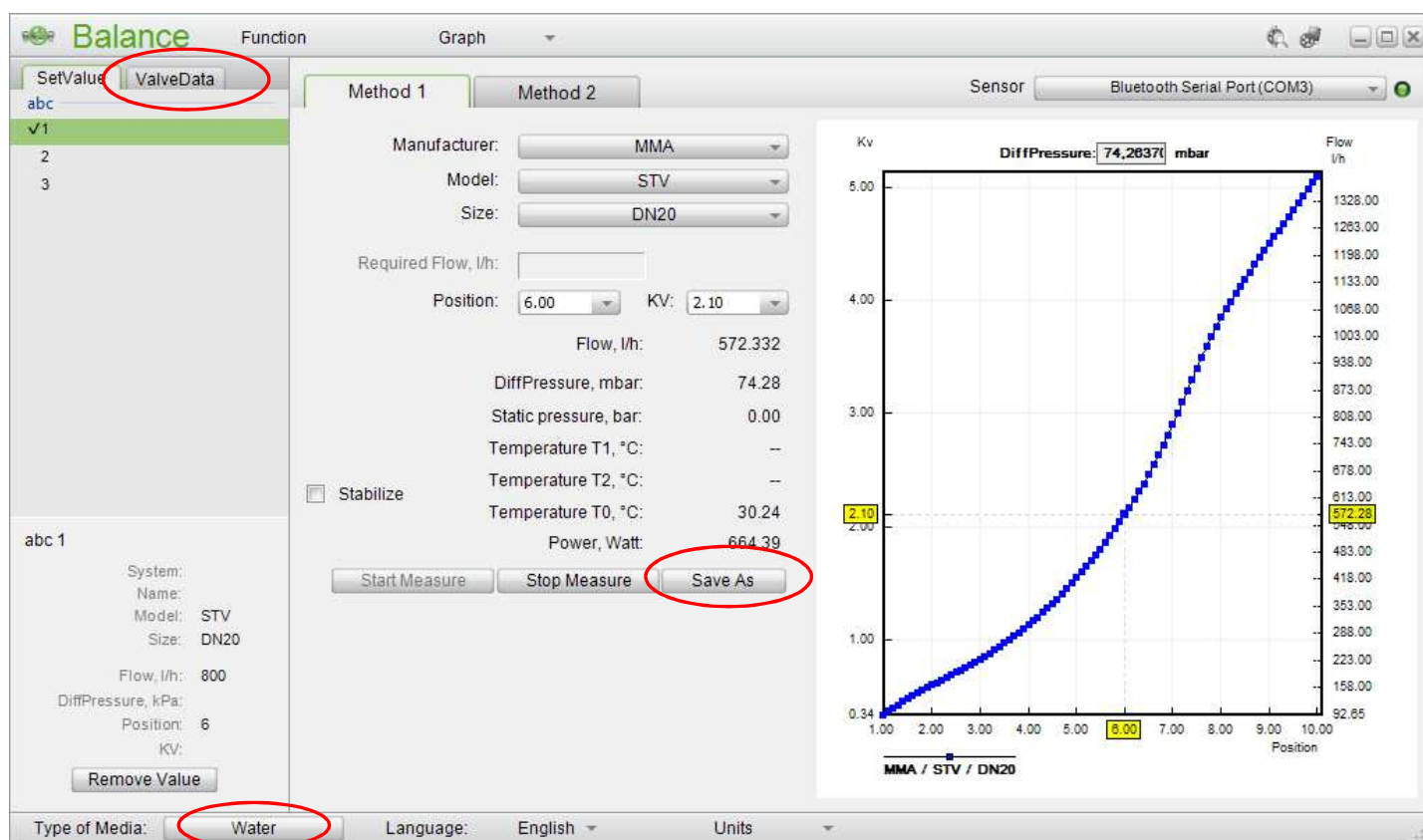
The 'Offset Calibration' button is highlighted with a red circle. The 'OK' button is also visible.

The 'Offset Calibration' dialog box contains the following text:

Please disconnect the sensor from the system.
Press button to start calibration

The 'Continue' button is highlighted with a red circle. The 'Cancel' button is also visible.

1. To get a Power reading; Click at "Type of Media" and set DT manually to for instance 1 degree C
2. Click "Save As" to store the measurement in the Valve Data folder at the desktop. The measurement can be check under the tab ValveData at the main frame.



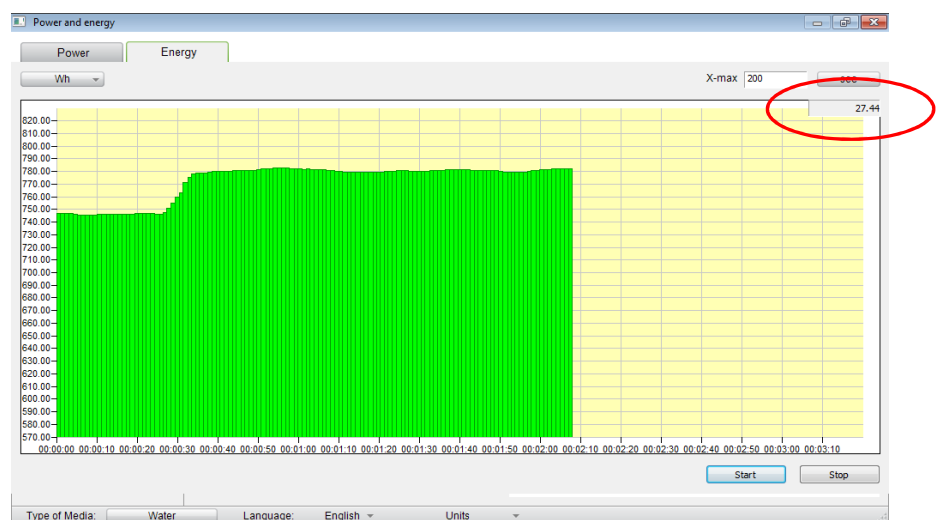
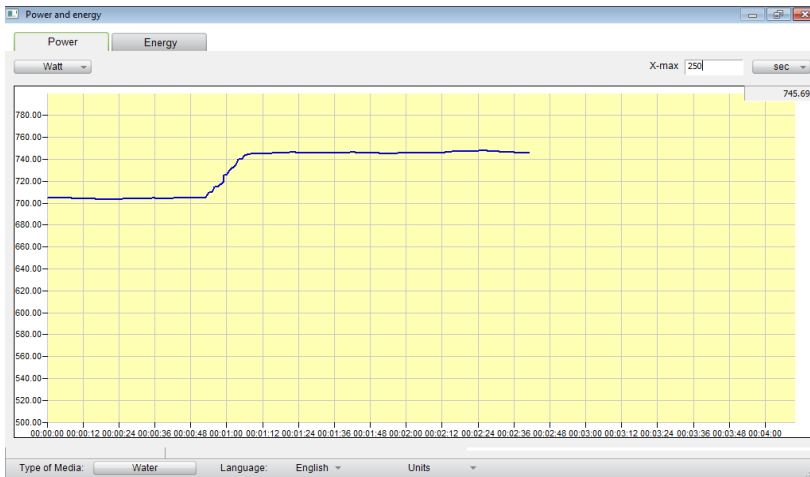
Media

Manufacturer: General
Type of Media: Water
Concentration:
Temperature
☒ Manual, °C: 20.00
☐ T1, °C:
☐ T2, °C:
DT:
☒ Manual, °C: 1.00
☐ T1 - T2, °C:
OK Cancel

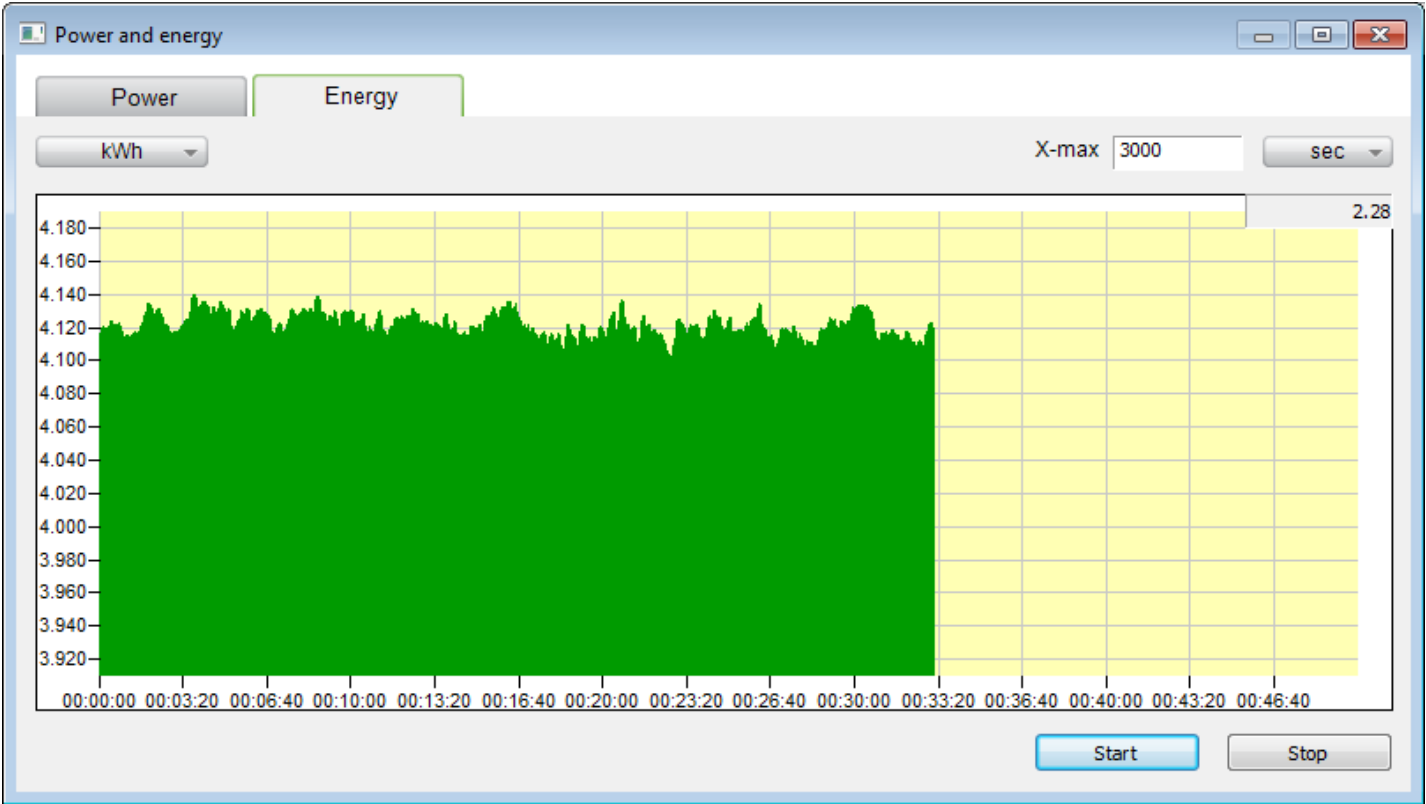
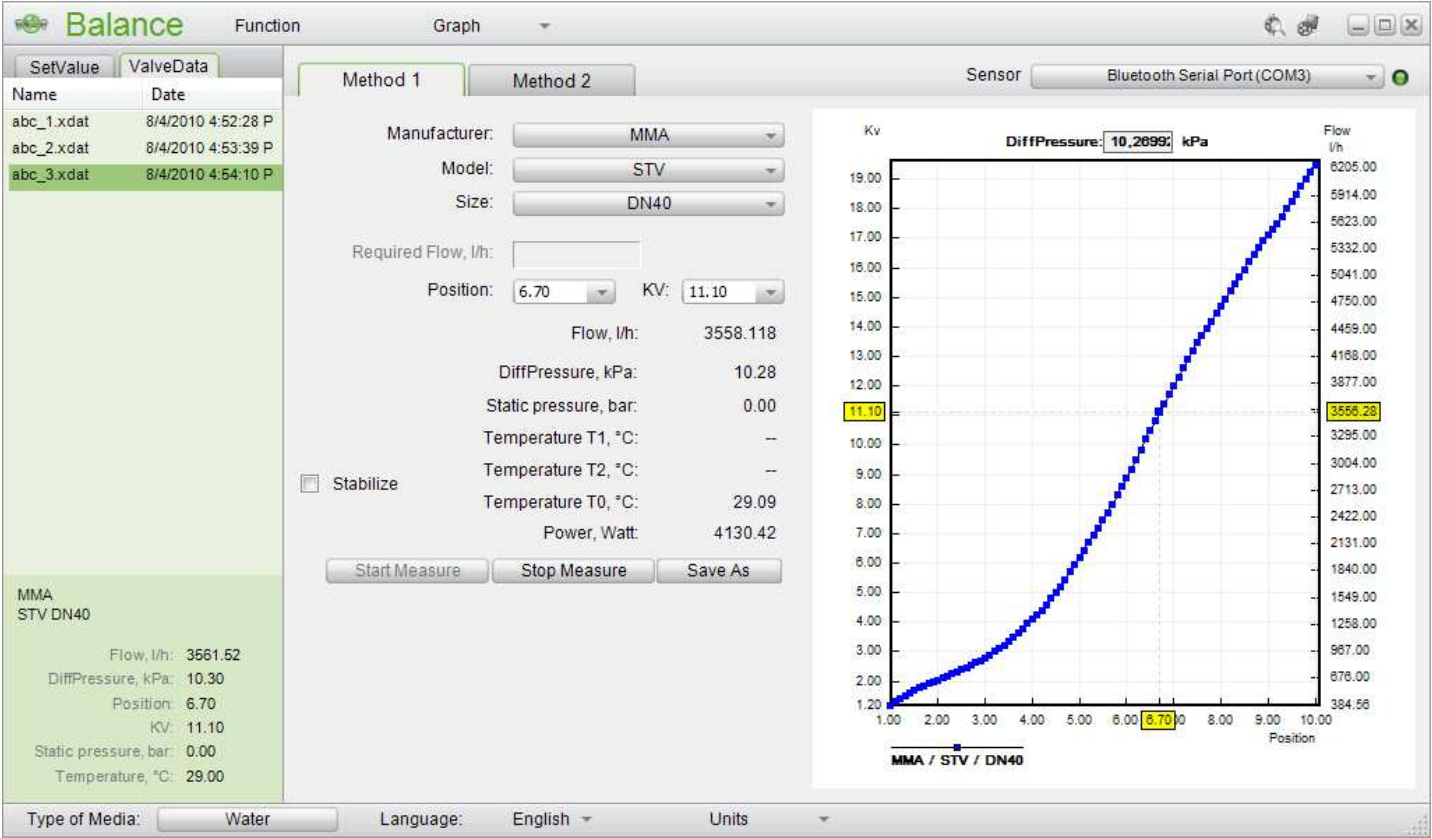
Save

File Name: 8 OK
Remark: Cancel
Category: abc

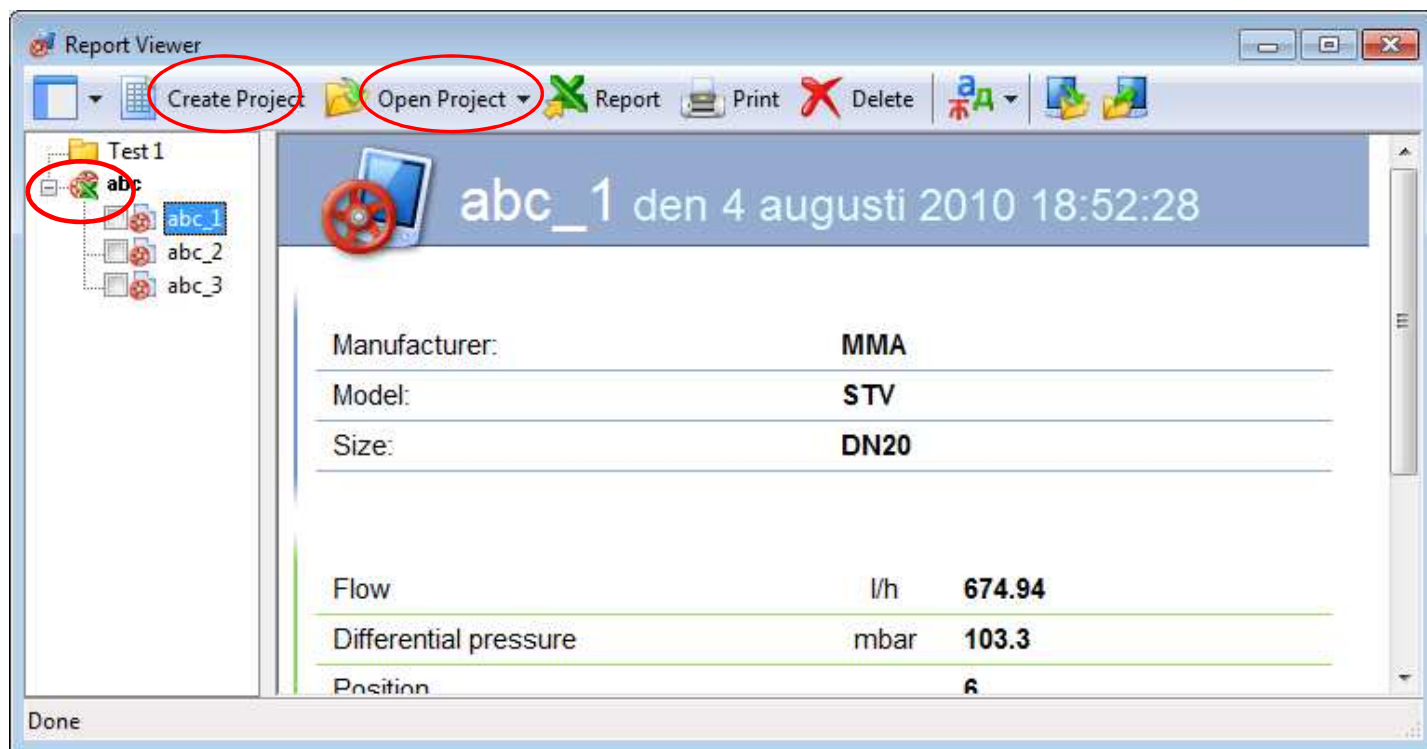
1. Click at "Graph" and then Scope to create a on-line presentation of DP, Flow or Temperature (optional). The X-axis (time) max value can be changer at the upper right corner of the graph.
2. Click at Graph, and then Power and Energy to create a Power and Energy Graph. The accumulated energy amount during the time period is presented at the upper right corner of the graph. Click at Start at the Power & Energy graph.



Example



1. Click at "Open Project" to open the Excel report sheet with specified Set values.
2. Click at the green Excel icon to open a complete Excel report with Set values and measurement values.
3. Click at "Create Project" to open a new Excel project sheet.
4. The transfer of data between the Report Viewer and the Balance Flex program is done automatically.



Microsoft Excel - abc

File

Edit

View

Insert

Format

Tools

Data

Window

Help

Type a question for help

H13

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

Smart Balancing

Language: English

Media:

Pressure units: kPa

Temperature:

Flow units: l/h

Date:

Object:

Object nr:

Made by:

Balancing method:

Calibration date:

Instrument:

Serial number:

Balancing protocol

Setvalue

Measurement

Valve ID nr

Object

Name/place

Valve Type

Size DN

Dp kPa

Flow l/h

Position Turns

Kv

Dp

Flow

Position Turns

Kv

1

2

3

13

14

15

16

17

18

19

20

21

22

23

24

STV

STV

STV

DN20

DN20

DN40

800

1200

3500

6

6

7

103,3

10,31

10,3

mbar

kPa

kPa

674,94

1124,031

3561,525

l/h

l/h

l/h

6

7,6

6,7

2,1

3,5

11,1

Ready

SV

19:40

2010-08-04

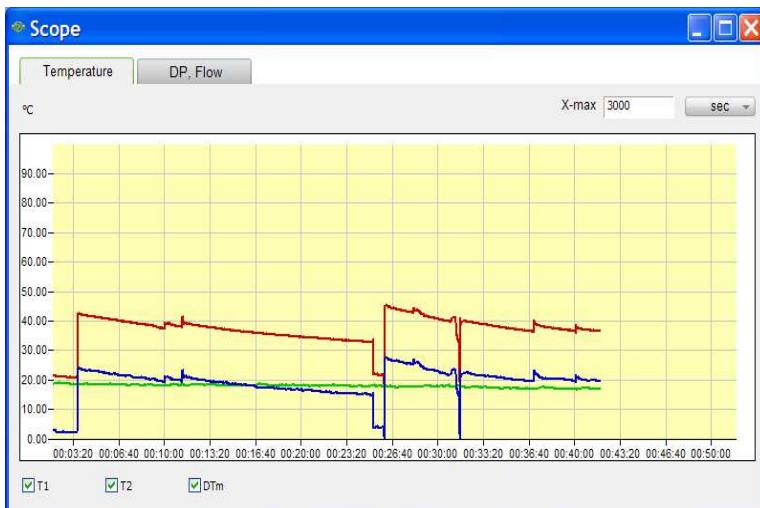
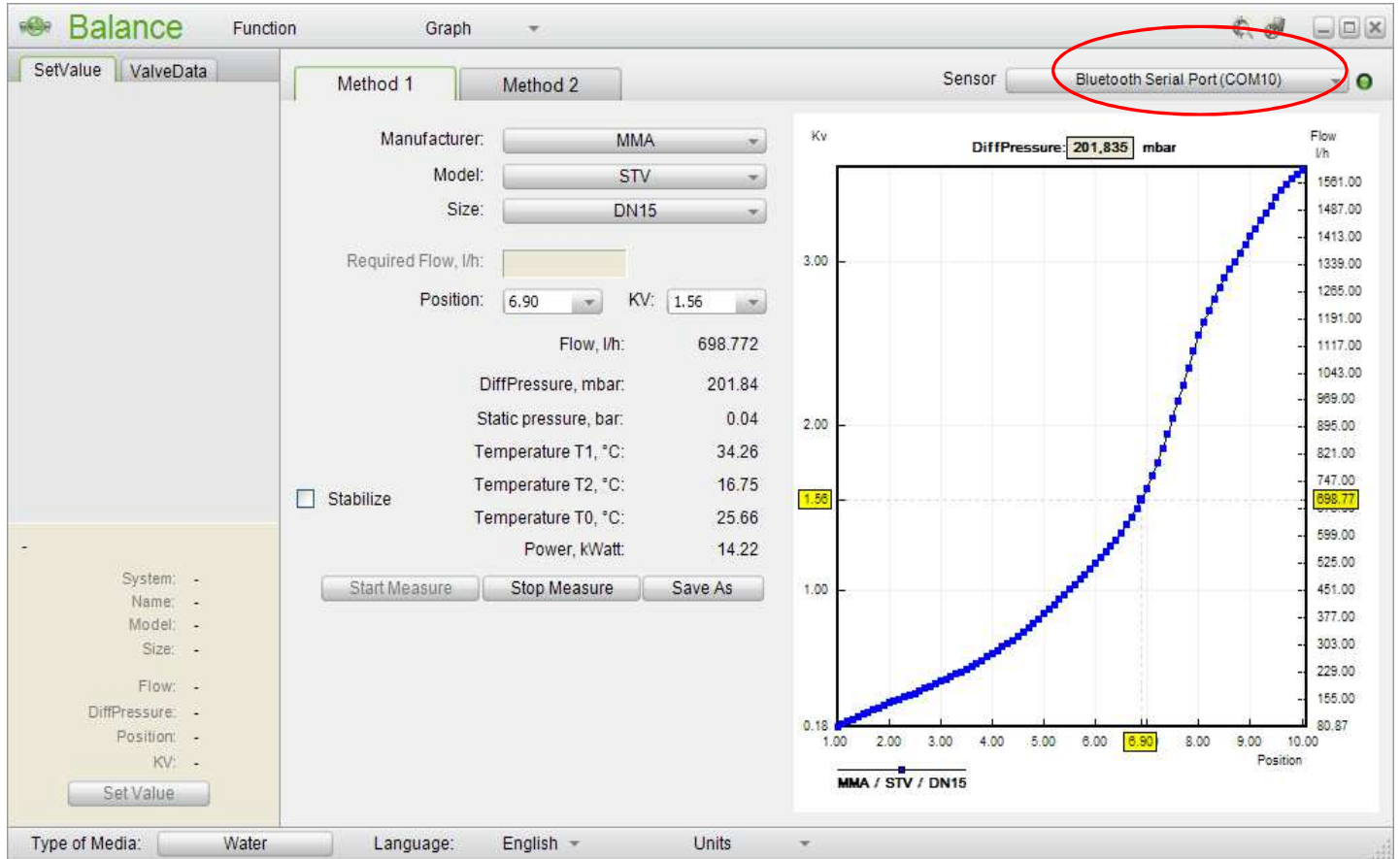


It is possible to connect 2, sensors simultaneously to a Netbook with a Balance program.

Open the Balance program.

Connect to the Sensor 1 Com port.

Open graphic presentations of the measurement.

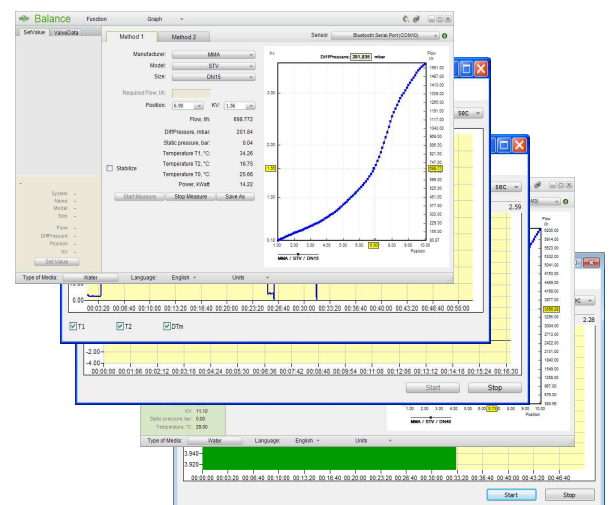
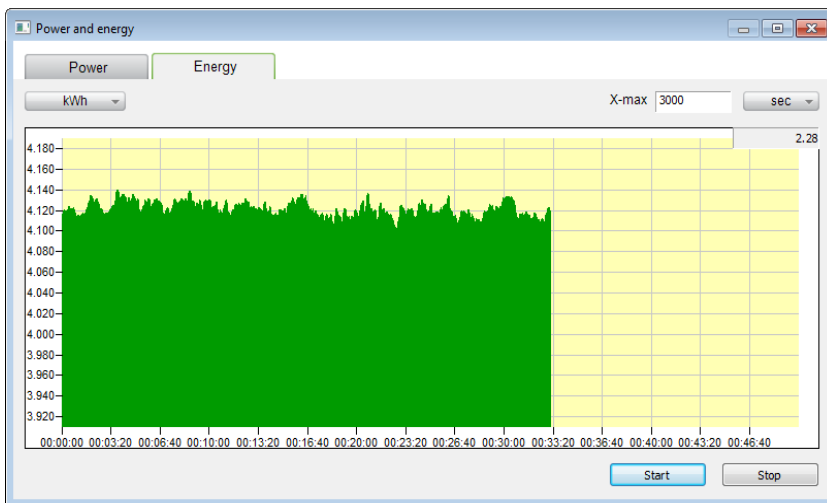
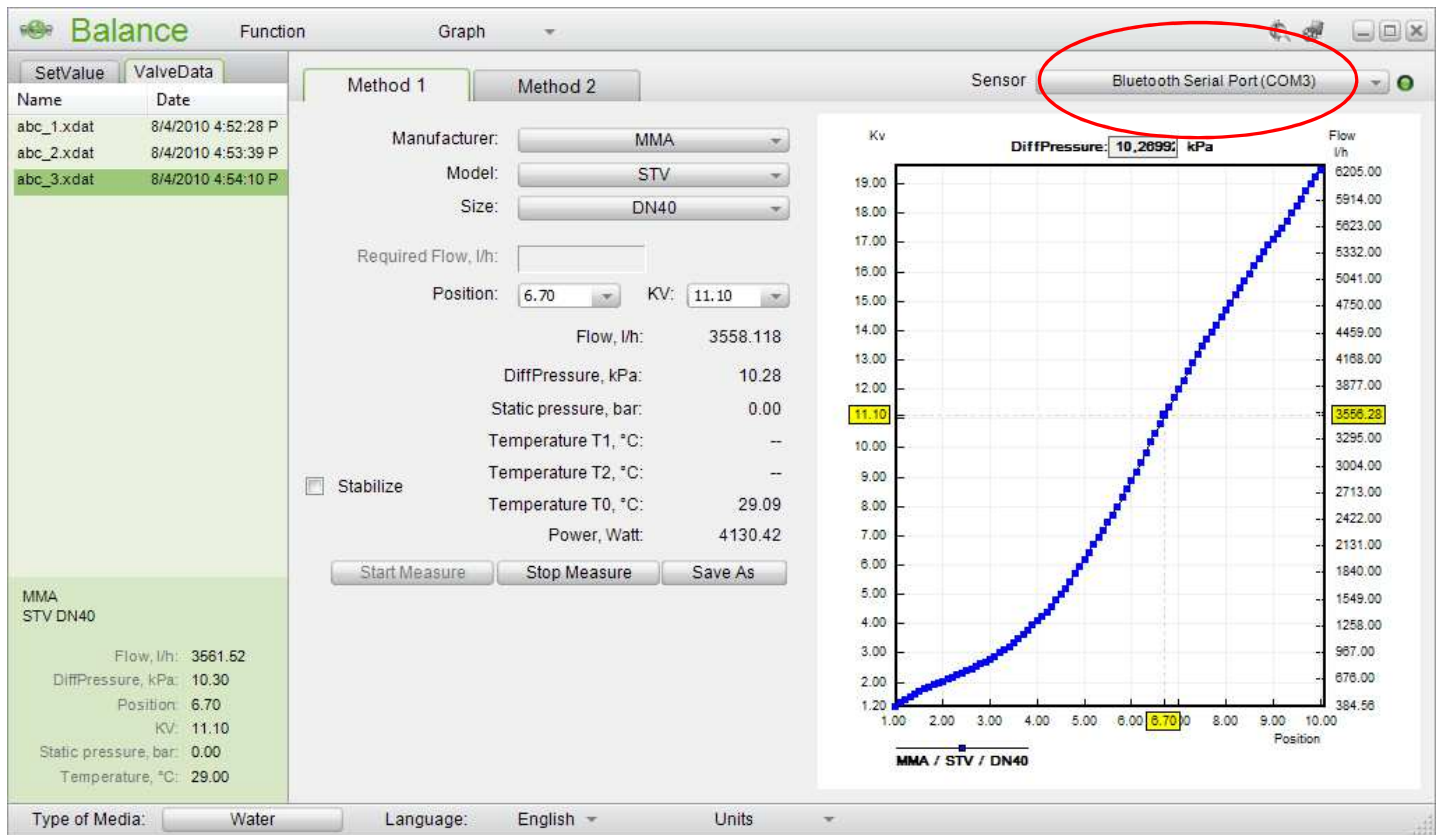




Open the Balance program.

Connect to the Sensor 2 Com port.

Open graphic presentations of the measurement. Power capacity and energy amount can be set manually, if its not measured.



All Balance information frames are on-line at the Netbook screen.