POK

FIREFIGHTING EQUIPMENT

FLOWMETER L/MIN BAR

BAR

Bluetooth

SELECT

Operating instructions

Press SELECT button to turn on the flowmeter for a period of 5 min.
The measure unit (m³/h) is displayed on the screen.
A second pulse on SELECT measures the counter of accumulated volume.
A long press (5 sec) resets the counter of accumulated volume.
A third pulse on SELECT allows measurements in L/min - Bar
The flowmeter switches off automatically after 5 minutes.

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POK

Bluetooth® **USB** **Windows**

POK Software Flow meter
Version 2013

DOC 1828 EN Rev.C - 04/11/13

FIELD	VALUE
Type of product	Electronic Flow meter
Product	Electronic Flow meter version 2013 DN 40 - DN 65 - DN 80 - DN 100 With or without USB option With or without Bluetooth option
Product referenced	Ref. : 29342 - 29383 - 29390 - 29396 Illustrations realised with reference 29342
N° of Documentation	1828
Language	English
Creation Date	03/10/2012
Modification Date	04/11/2013
Modification List	Rev. A - 03/10/2012 : - Original File Rev. C - 04/11/2013 : - Updates to software and product

Table of Contents

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3

• Introduction

Please read the information contained in this manual before using the equipment.

The use, maintenance, or any other operation in relation to this equipment must be performed exclusively by personnel who are informed of the safety regulations and trained in the use of the equipment.

When using the flow meter (Use, maintenance, installation...) it is important to always wear safety equipment appropriate to the situation.

• Dismantling and Warranty

Please respect the instructions regarding the product use, not respecting this information could lead to wrong calculations or damage the product.

Do not dismantle the product, risk of electric shock.

Dismantling the product outside of the POK workshop leads to an immediate void of the guarantee.

Dismantling and/or modifying the equipment by personnel not qualified could have consequences in wrong calculations and/or make the equipment inoperable.

Only POK SA is able to repair and guarantee the optimal function and without danger of the product.

The exploded views and bill of materials in this document are not instructions for dismantling, they are only there for technical support.

Bluetooth® is a registered trademark of Bluetooth SIG.

Please respect the safety rules applicable to your installation/environment before using the equipment, especially in relation to bluetooth waves (if you have this option) they may not be permitted in certain places/conditions.

Bluetooth waves can in rare cases damage other electronic equipment.

Using electronic equipment could be prohibited or restricted depending on the place/conditions in which you work.

Do not expose to excessive heat.

POK SA can not be held responsable for eventual damages caused by dismantling the product outside of the POK workshop, or from any incorrect use of the equipment.

4

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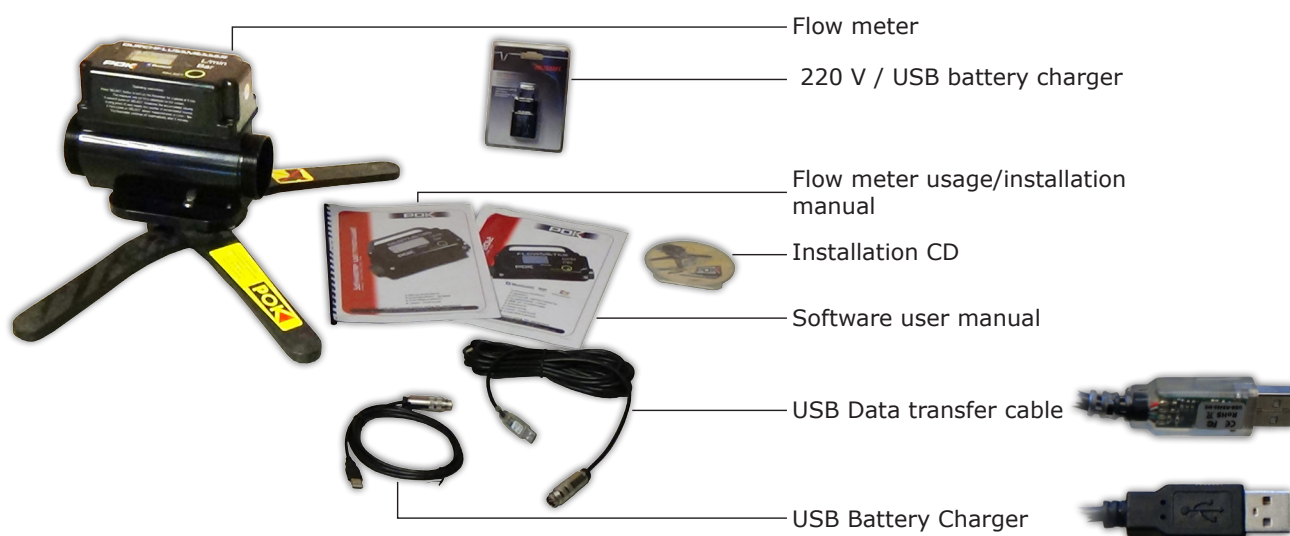
● Preamble

This notice is about the following software and accessories (USB Cable, USB and bluetooth key) supplied with the POK flow meter listed below:

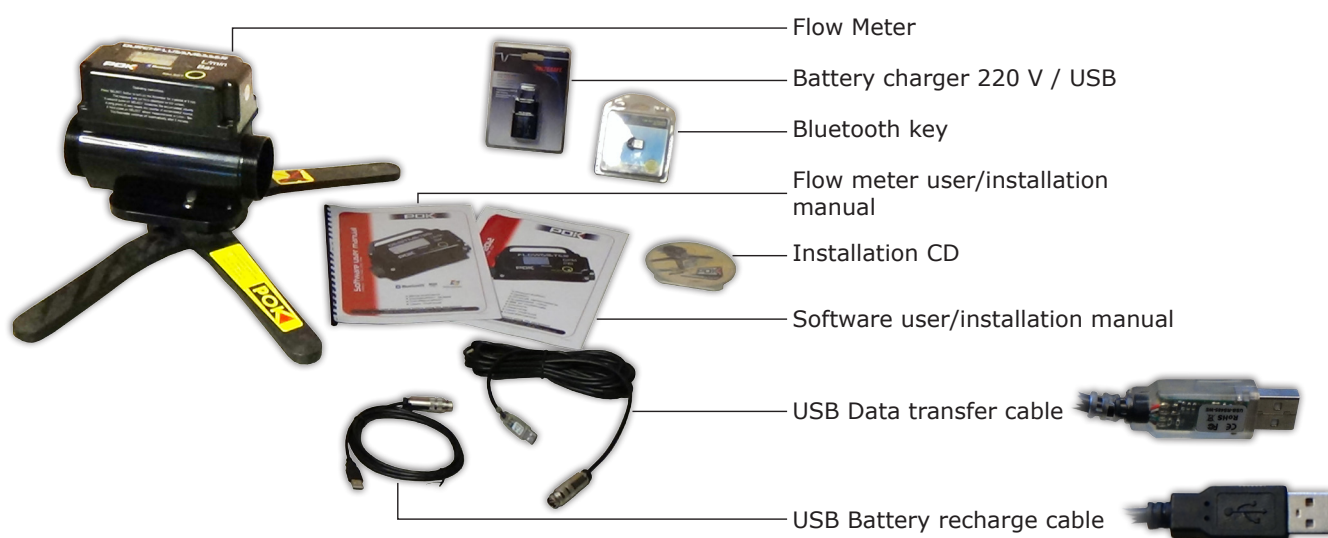| Diameter	DN40	DN65	DN80	DN100
Reference	29342	29383	29390	29396

The information about installation and use of the flow meter are available in the user manual delivered with the flow meter.

● Equipment required

• Contents of the packet delivered with the **USB data cable option:**

Flow meter
220 V / USB battery charger
Flow meter usage/installation manual
Installation CD
Software user manual
USB Data transfer cable
USB Battery Charger

• Contents of the packet delivered with the **USB data cable and "Bluetooth" transfer option :**

Flow Meter
Battery charger 220 V / USB
Bluetooth key
Flow meter user/installation manual
Installation CD
Software user/installation manual
USB Data transfer cable
USB Battery recharge cable

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5

Before starting the installation of the software, make sure you have the following hardware:

• A PC recent with the following Operating Systems Windows XP, Vista or 7.
• A functional POK flow meter as listed above.
• A 6 prong USB cable (Supplied by POK).
• A USB Bluetooth 2.0 key (supplied by POK for the "Bluetooth" option).

You should also be in possession of the following software :

• The POK software.
• The .Net Framework 3.5 of superior installer (supplied by POK or a windows update)
• IVT Bluesoleil version 8 (supplied by POK for the "Bluetooth" option).
• Drivers USB-RS485 (supplied by POK for the USB option).

Additional Information :
• An internet connection could be required to apply updates to complete the software installation.
• You must have administrator rights on your computer before proceeding with the installation.

Note :
• Do not try an installation if you do not have the prerequisite software and hardware.
• Although this guide is detailed with images, competence with a computer is required to install the software
• It is preferable that your computer is update and functional to install this software
• Depending on the configuration of your antivirus, it may be necessary to temporarily deactivate it to install the software.

• Compatibility

The software has been tested with numerous configurations. The screen shots in this manual are from a Windows 7 professional 64 bits SP1 computer with integrated bluetooth and bluesoleil 5.4.277 software.

Certain computers have bluetooth chip incompatible with the bluesoleil software, in that case a compatible bluetooth key must be used. The bluesoleil software must be used to connect the flow meter to bluetooth. More information is available at: http://www.bluesoleil.com

The screen shots are only available for the POK software listed above. Some of the information here may be obsolete in later versions of the software.

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The Installation CD supplied with the flow meter automatically installs the software necessary for the product :
• POK flow meter software.
• .Net framework 3.5 or superior if not already installed.
• Bluesoleil 5.4.277 software for the "Bluetooth" option if not detected.

Note : On some computers a more recent version of the software may be installed. This is not a problem, no modification is needed.
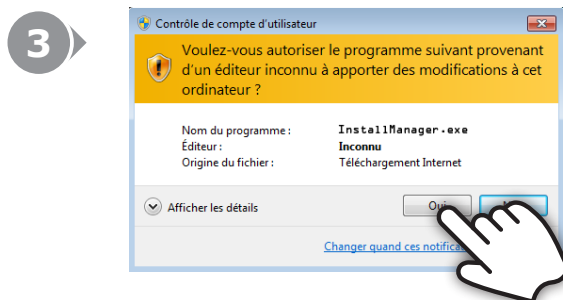
Close all open applications before installing the software.

1
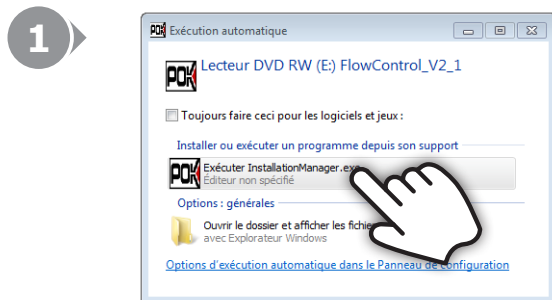
• Start the installation clicking on "*Executer InstallationManager.exe*". If automatic installation is deactivated click on "InsatallationManager.exe" in the file menu

2
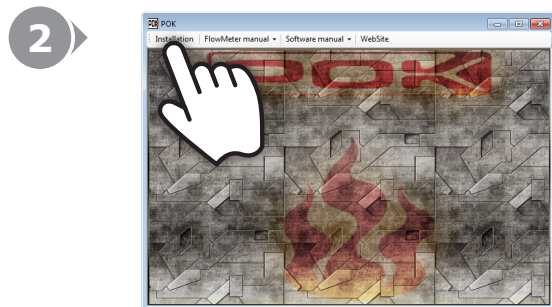
• To launch the installation click on "Installation".
• You can also find the installation manuals by clicking on www.pok.fr

3

• Authorize the program to make the modifications.

4
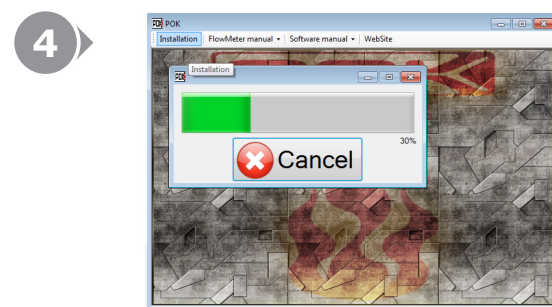
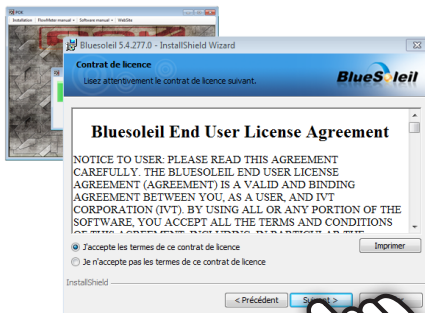• The application will determine the software needed for the installation.
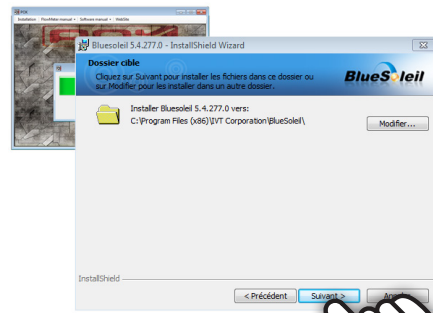
5
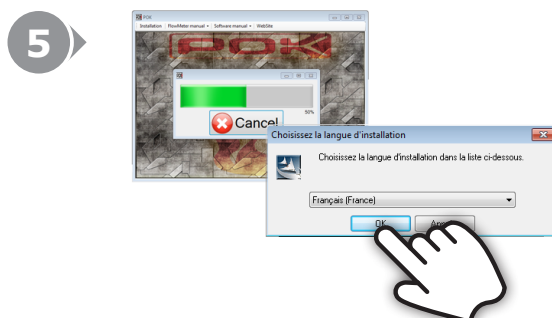
• Choise the installation language and continue

6

• Continue the installation clicking on next

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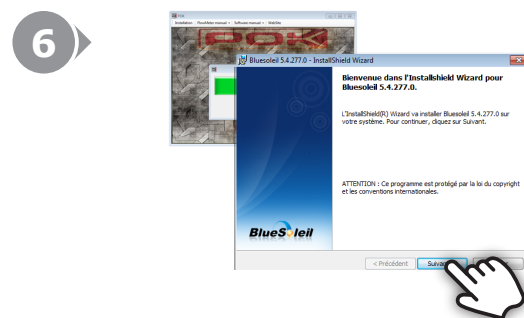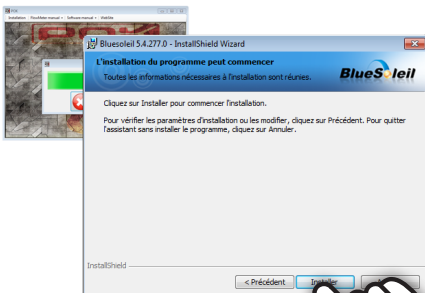
7

• Accept the terms and conditions and click on "Next".
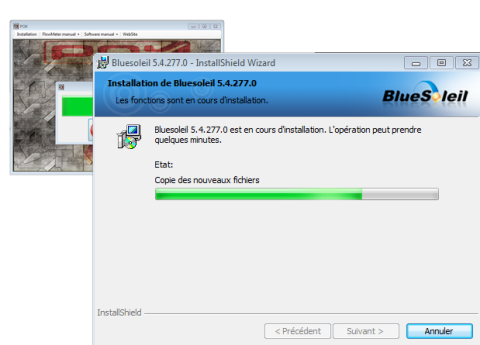
8

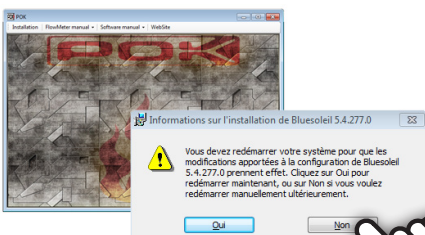• If necessary change the installation folder and click on "Next".

9

• If necessary, click on "Back" to modify the installation settings or click on "Install" to continue the installation.
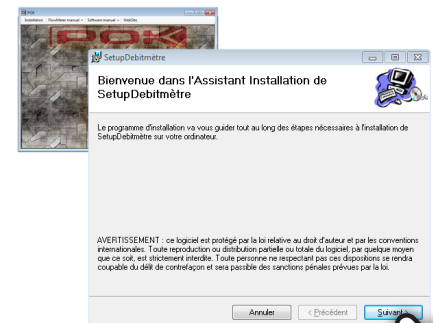
10

• The installation of bluetooth could take some minutes
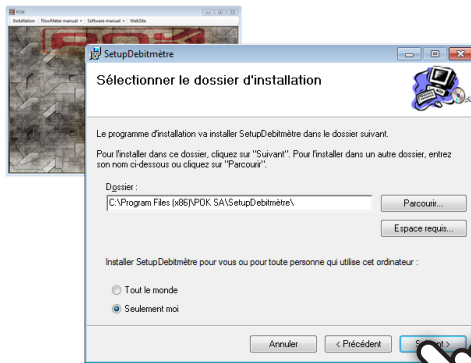
11

• The installation program could suggest to restart the computer. **Click on "No"** so that the rest of the software can be installed.

12

• The installation of the flow meter software will start automatically by clicking on "Next".

8

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13 ▶

• Select the folder in which the software should be installed by clicking on "Find".
• The option "All users" lets all users on the computer to access the software, the option "Only me" only allows the user who is currently logged in at the time of the installation to use it.
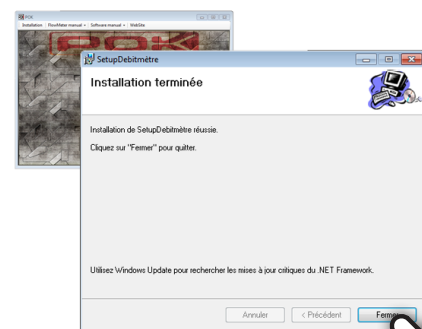• Click on "Next" to continue the installation.

14 ▶
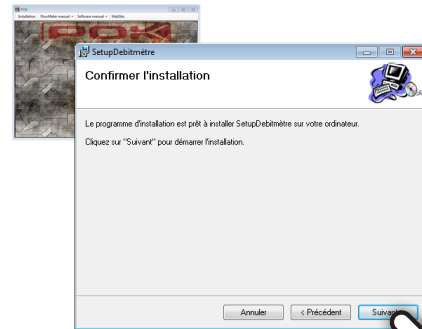
• If necessary click on "Back" to modify the installation settings or click on "Install" to continue the installation.

15 ▶
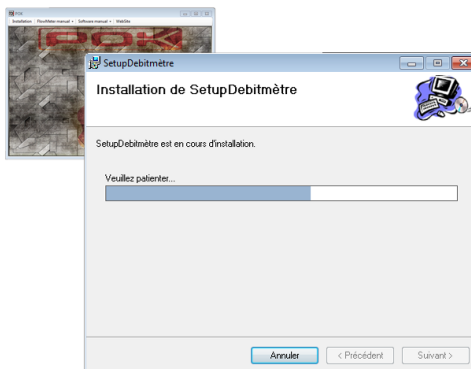
• The installation of the POK software could take a few minutes.

16 ▶

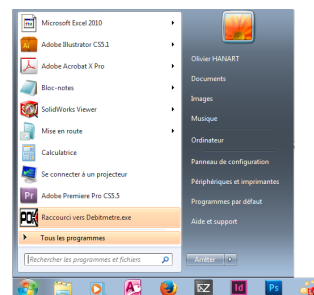• Once the installation if finished click on "Close".

17 ▶

• Restart the computer so that the changes can be completed.
• The icons "Débitmètre/Flow meter" (Item. A) and "Bluesoleil" (Item. B) appear on the desktop, they permit to start the software. You can also find the icons in the start menu of windows (Item. C).
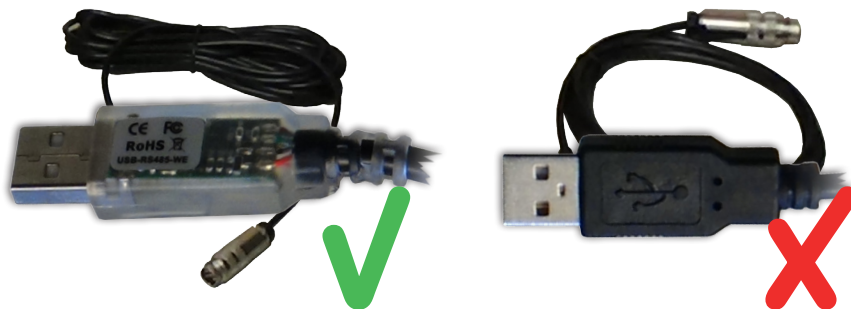

Item. A

Item. B

Item. C

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9

The USB driver RS 485 updates automatically once the USB cable is connected to the computer.

Make sure to use the transparent USB cable.

After a few seconds, windows will inform you that the cable is ready.

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• Mating

Before proceeding with the bluetooth configuration. Connect the Bluetooth key to your computer (only if your computer has a bluetooth chip compatible with Bluesoleil 8).

1

• Launch the blueSoleil application by clicking on it.
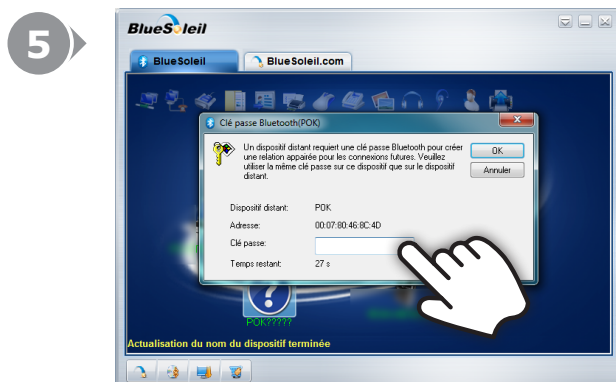
2
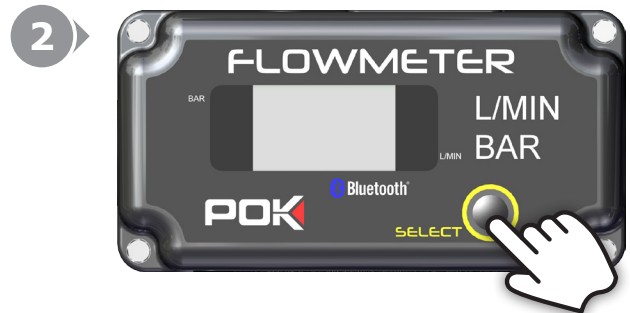
• Press the "SELECT" button on the flow meter for 3 minutes. Bluetooth will be activated for 90 seconds to do the mating.

3

• Double click on the yellow sphere to activate the bluetooth peripheral search.

4

• With the right button of the mouse, select the peripheral called "POK". Check the option "*Appairer*/Pair" in the contextual manual.
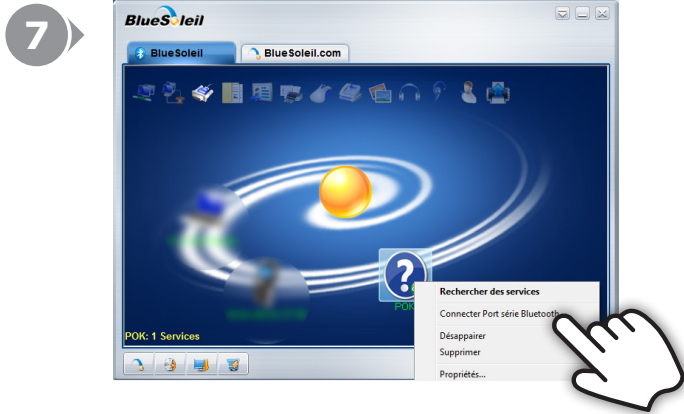
5

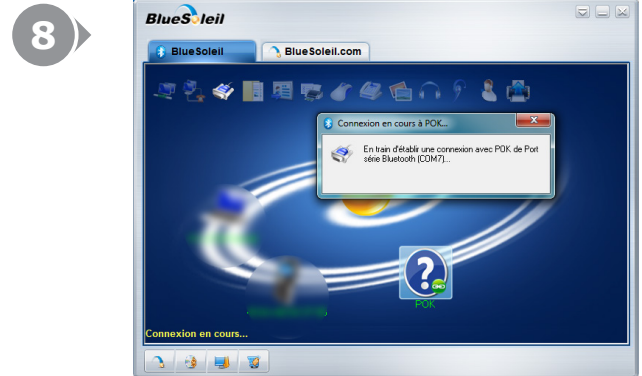• In the field "*Clé de passe* (Password)", write the code :

1357

Note : Remember this code, all future bluetooth actions will need it.
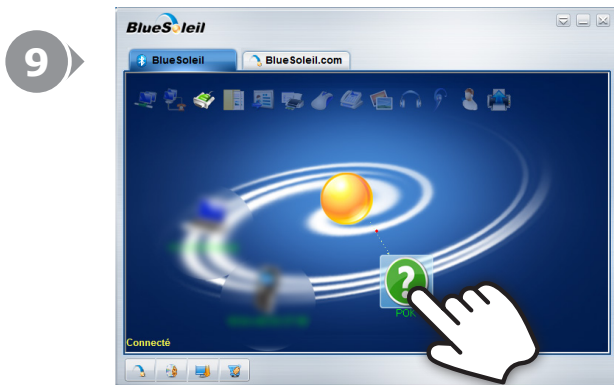
6

• Right click on the peripheral names "POK" and select the option "*Rechercher des services*(Search for services)".

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7

• Right click on the peripheral named "POK" and check the option "Connect Bluetooth serial port"

8

• At this stage the Bluetooth password could be required.

9

• The icon called "POK" passes to green and it is connected by a broken yellow line when the connection has been established.

10

• Right click on the peripheral called "POK" and note the port written in brackets after the option "Disconnect Serial Port Bluetooth" (On this image port COM7).

Note : Remember the name of the port, it will be useful when you launch the application "POK".

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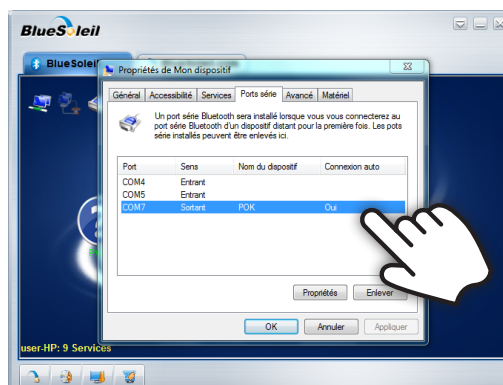
● Automatic Connection

This setting is important, it will enable the bluetooth connection with the flow meter, after the computer is restarted, without having to reopen the Bluesoleil application.
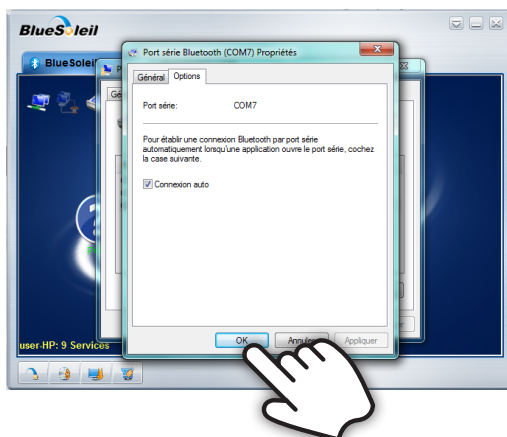
1 ▶

• Right click on the mouse and click on properties "*Propriétés*".

2 ▶

• Select the Port Series tab "*Port série*".
• Click on the line that has "POK".
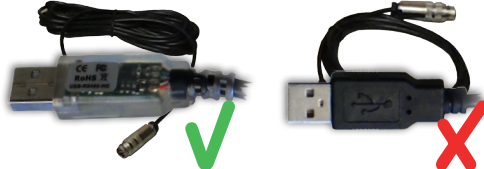• Click on the properties button "*Propriétés*".

3 ▶

• Select the options tab "Options".
• Check the automatic connection tab is checked "Connexion auto", if it is not, please check it.
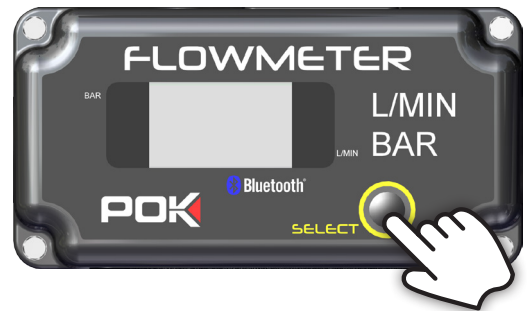• Click on "OK".

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13

1

• Launch the "POK" software

2a

• If you have a USB connector use the transparent USB cable.

2b

FLOWMETER

L/MIN
BAR

Bluetooth

SELECT

• If you use a bluetooth device, press the select button for tree seconds

3

• Left click on the port connection icon.

4

COM7

• Click on the drop down menu to show the available ports.

5

COM7
COM4
COM5
COM7

• Select the port that you use with the flow meter.

Note :
- For a USB connection, open the Control Panel **> System and security > Peripheral devices** to show the port used. The port will only be shown if the USB cable is connected.
- For a Bluetooth connection, refer to the pages shown in the bluetooth mating section to identify the port being used.

6

COM7

• Save your choice by clicking on save "Sauvegarder" (Icon represented by 2 disks).

14

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7 ▶

• From the main screen of the "POK" software, choose the language by clicking on the flags icon.
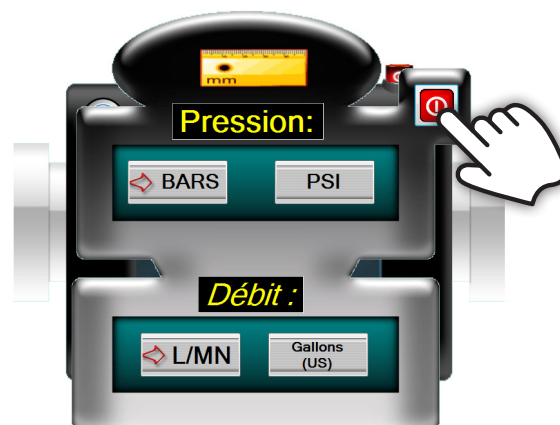
8 ▶

• Select the language to be used :
- FRENCH
- ENGLISH
- GERMAN
- SPANISH

• Save your choice by clicking on "Save" (Icon represented by two disks).

9 ▶

• From the main screen of the POK software, to configure the flow/pressure units click on the ruler icon.

10 ▶

• To select the units to be used :
- BARS and L/MIN **or** PSI and Gallons/MIN
• Click on the red close button in the upper right corner to exit the screen.

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15

● Presentation

FIGURE 1 - Screen for the POK Flow meter reading software before making any connections with the flow meter

Red Close button

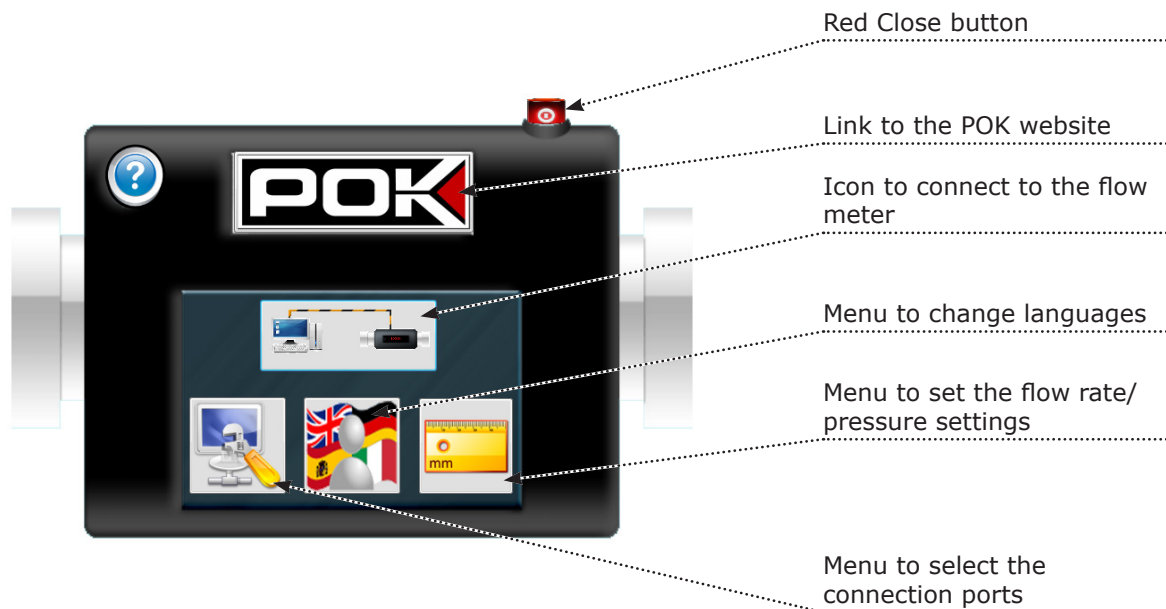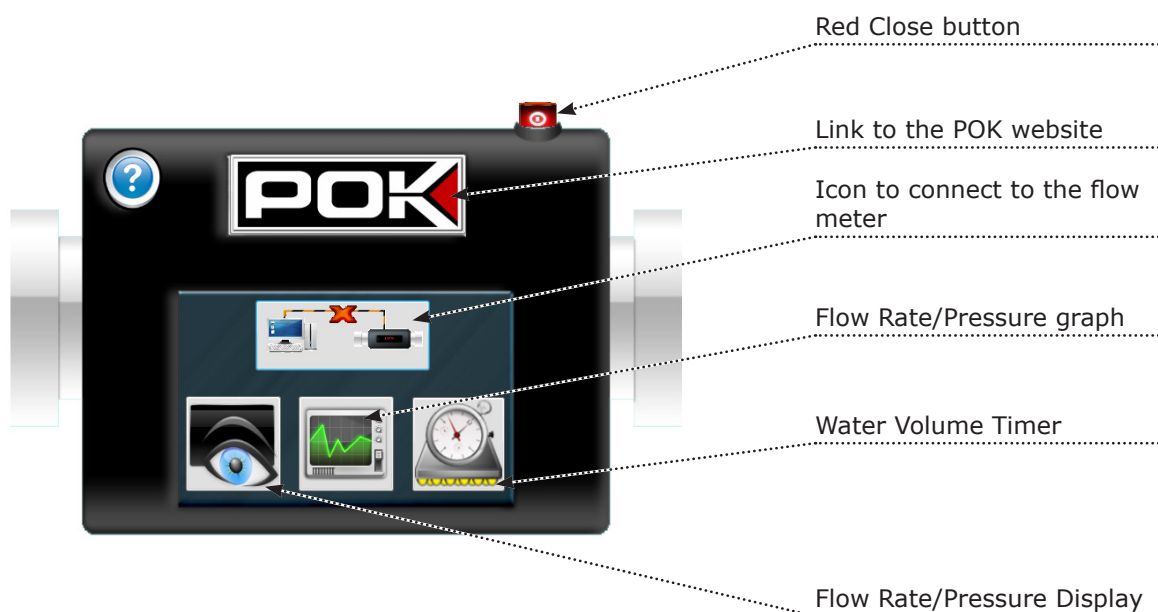Link to the POK website

Icon to connect to the flow meter

Menu to change languages

Menu to set the flow rate/ pressure settings

Menu to select the connection ports

FIGURE 2 - POK screen display once the connection with the flowmeter has been established

Red Close button

Link to the POK website

Icon to connect to the flow meter

Flow Rate/Pressure graph

Water Volume Timer

Flow Rate/Pressure Display

16

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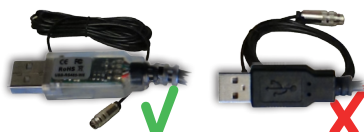
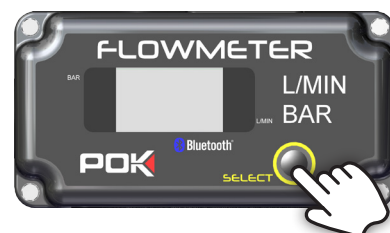## ● **Connection/disconnection of the flow meter**

The connection to the flow meter is done by clicking on the top icon in the screen (Item. A).
If the ports are correctly configured and the USB cable is connected (Item. B), or Bluetooth on (Item C), the connection will occur without any problems.


Item. A

Item. B

Item. C

To disconnect close the application or click on the top button again.

Disconnection of the USB cable or loss of bluetooth signal does not turn off the application, it only stops the data flow.

Note : As long as the binder plug USB connection cable is connected to the meter, it never goes out automatically, even if the USB is not connected to the computer.
Bluetooth, a long press on the connection 1min30 "select" button activates.
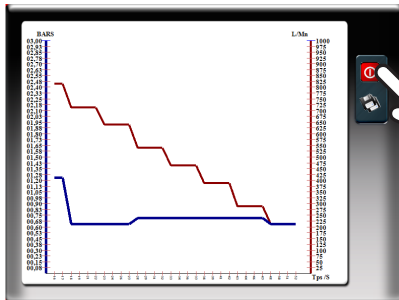
● **Display**
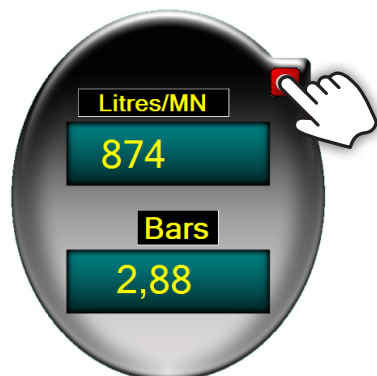
This window shows the pressure and flow rates that the flow meter captures, the same way that they are shown on the flow meter itself.

The units shown depend on the ones chosen before the connection.

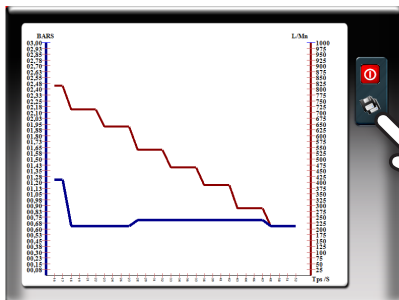Click on the Red close button to close the window.

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17

● Flow/Pressure curve

This windows shows the flow rate/pressure curves.

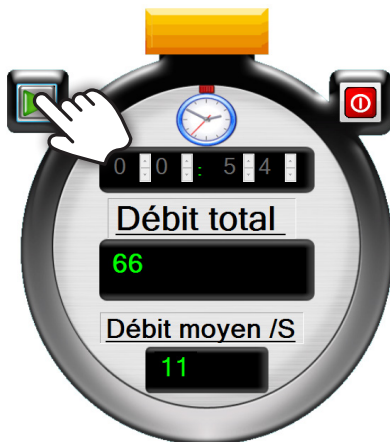**——— Flow Rate curve**

——— Pressure Curve

To export the data, click on the disk icon, select the folder or file to save to.

Note : Data is only saved **AFTER** the icon is click on, all data prior will not be saved. Saving is stopped when the Red close button is clicked.

● Counter


Débit total

66

Débit moyen /S

11

This window allows measurement of water flow for a determined period of time.

At the bottom of the Total Flow (*débit total*), 4 values can be defined : Seconds | Tens of Seconds | Minutes | Hours.

A click on the read button (Green button, top left corner) starts the timer and the counting of the water flow volume.

The last line shows the flow rate in l/sec.

Débit total

66

Débit moyen /S

11
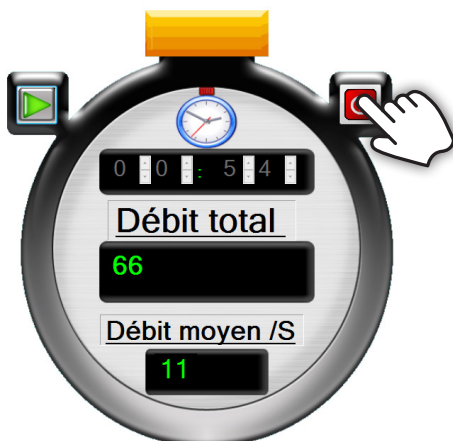
Clicking on the red button closes the window and resets the values to zero.

Note : Clicking on the green button when the timer has stopped will reset the flow rate counter to zero, but the timer setting will not be affected.
Once the flow has been completed the figures will remain in green.

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18

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19