

DURATEC d.Flow Reader Software

Manual

Version 1.0

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1 Specifications

P/N: 792625-06

Scope of delivery: d.Flow Reader software (USB stick), incl. connection cable (with dongle function) USB to RS232 (length 2m)

Requirements: Windows 7 or higher, 2GB RAM, USB Port

2 System description

The DURATEC Flowmeter d.Flow offers the possibility to store measured values in the device or transfer them via the RS232 interface. The following features are available using the d.Flow Reader software:

- Subsequent printing of reports stored on the d.Flow (measurement logs)
- Direct recording & saving of reports in non-changeable format on the computer
- Opening reports recorded with the software
- Printing reports (paper or PDF version)
- Input screen for data of the test device
- Input screen for the report setup

3 Initial operation

3.1 Installing the device drivers and programs

The USB stick contains the required setup file.

Start the following program for installation:

Setup dFlow Reader.exe

- installs the interface driver from FTDI if required
- installs the “dFlow Reader” software

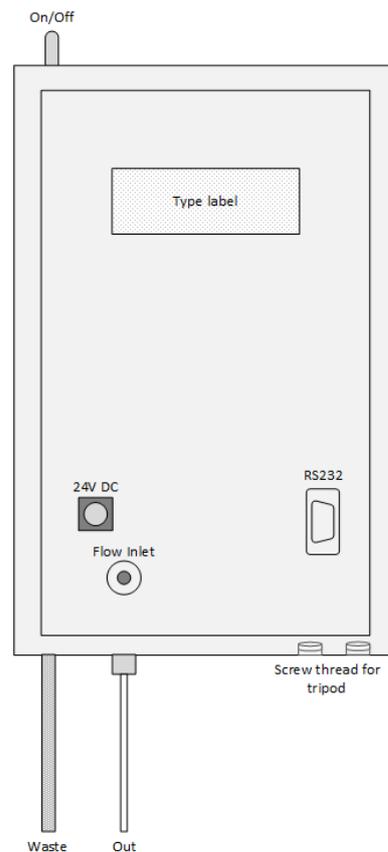
[Note: administrator rights may be required for your computer]

After installation, you will find a “dFlow Reader” shortcut on your desktop and in the start menu.



3.2 Installing the data cable

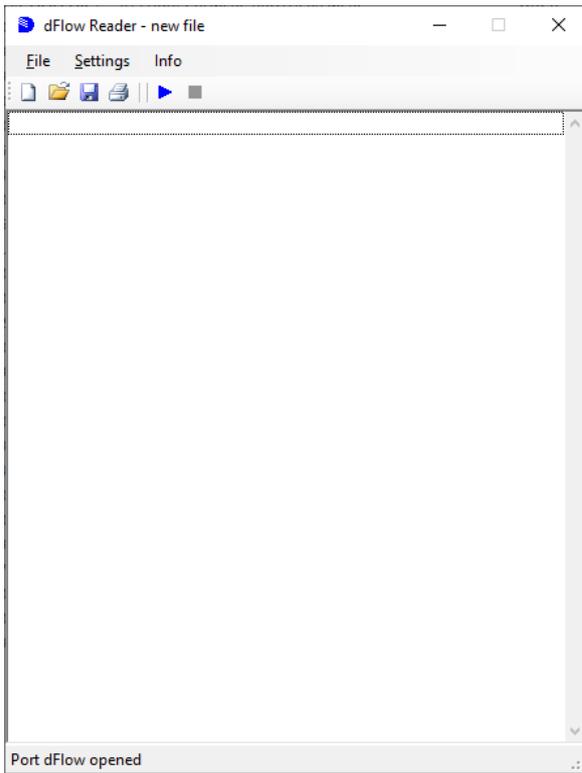
The RS232-USB adapter cable labeled “dFlow Reader” is connected to the RS232 port on the back of the flowmeter and the USB port of the computer.



! Please note !

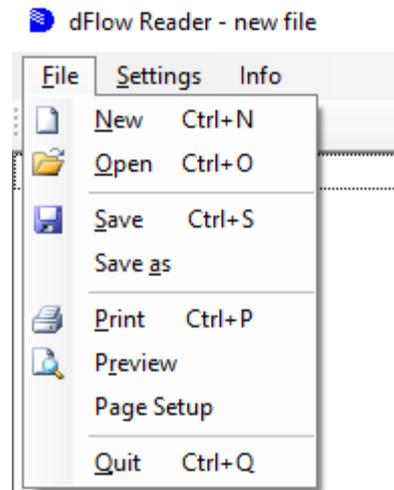
**The RS232-USB adapter cable is not an ordinary RS232-USB adapter.
The cable has a dongle function -> the software only operates with this cable.**

4 Operating

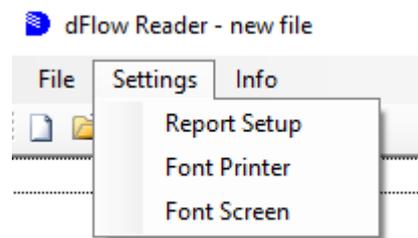


Start Screen Software

File Menu



Setting Menu



4.1 Setting the flowmeter to print mode

To be able to transfer the data from the flowmeter to the computer, the printer mode must be set to “flow & time” on the flowmeter.

Setup / Format / Printer Mode → flow & time

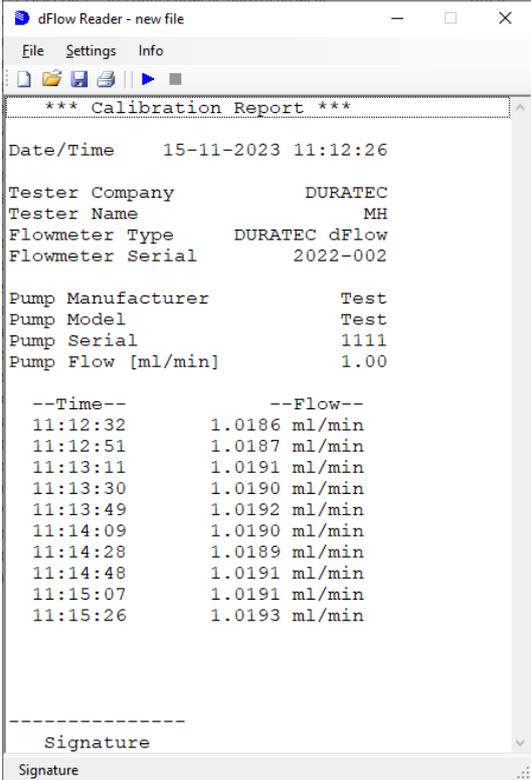
(see also: *d.Flow manual chapter 4.3*)

4.2 Transferring stored reports

If the flowmeter is not directly connected to a computer during the measurement, the measurements can be saved as a report on the flowmeter. Afterwards, you can connect the flowmeter to the computer and open the dFlow Reader software. The report can be transferred to the computer using the print function in the report mode of the flowmeter.

Report / Open Report / Print

(see also: *d.Flow manual chapter 4.5*)



```
dFlow Reader - new file
File Settings Info
*** Calibration Report ***
Date/Time      15-11-2023 11:12:26
Tester Company  DURATEC
Tester Name    MH
Flowmeter Type DURATEC dFlow
Flowmeter Serial 2022-002
Pump Manufacturer Test
Pump Model     Test
Pump Serial    1111
Pump Flow [ml/min] 1.00

--Time--      --Flow--
11:12:32      1.0186 ml/min
11:12:51      1.0187 ml/min
11:13:11      1.0191 ml/min
11:13:30      1.0190 ml/min
11:13:49      1.0192 ml/min
11:14:09      1.0190 ml/min
11:14:28      1.0189 ml/min
11:14:48      1.0191 ml/min
11:15:07      1.0191 ml/min
11:15:26      1.0193 ml/min

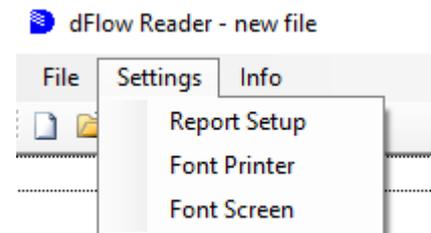
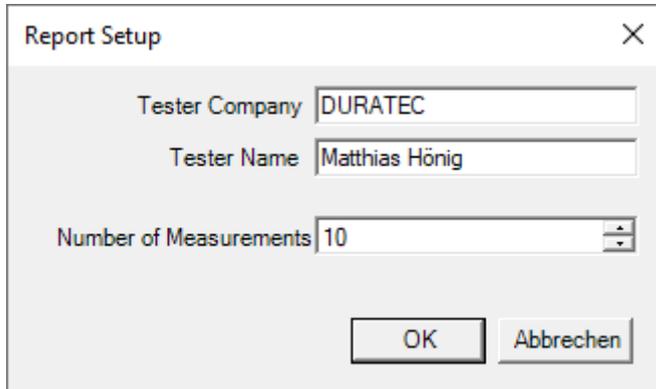
-----
Signature
Signature
```

Example report

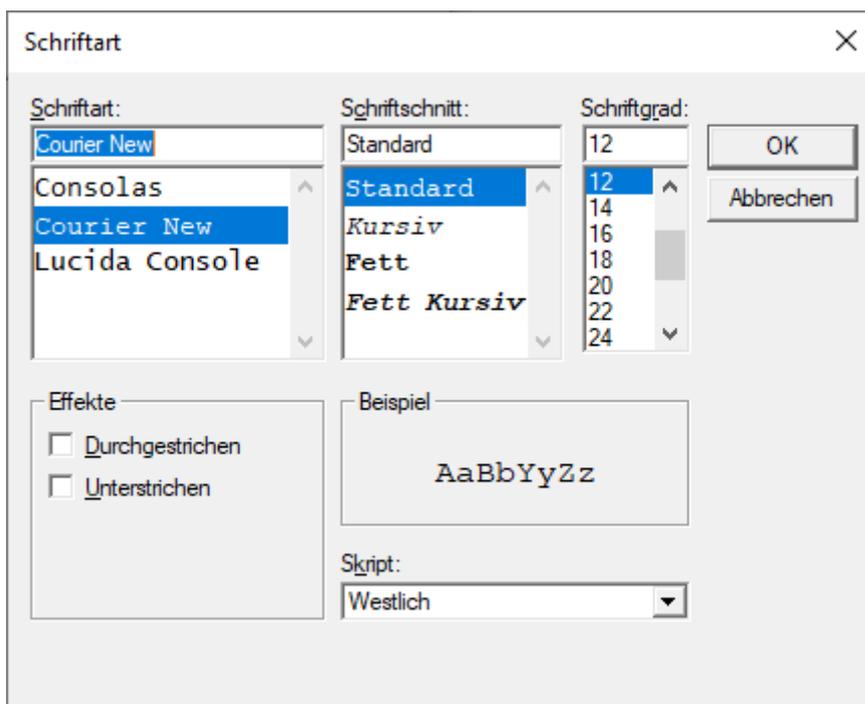
Afterwards, the report can be saved on the computer and/or can be printed (paper or PDF).

4.3 Recording reports

4.3.1 Report Settings



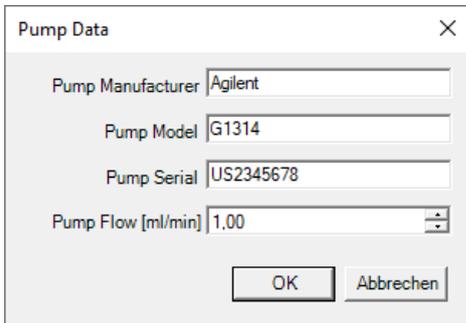
Information about the tester & how many measurements will be recorded



Setting the font parameters for display & printout

4.3.2 Start recording the report

Press  to open a window where you can enter the details of the pump and the flow rate.



Pump Data

Pump Manufacturer: Agilent

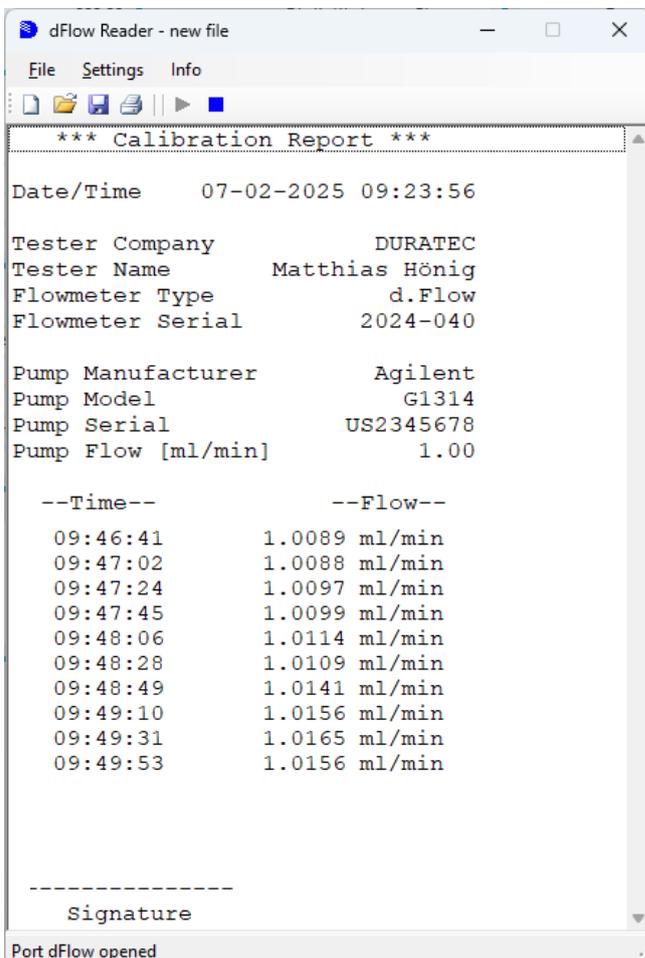
Pump Model: G1314

Pump Serial: US2345678

Pump Flow [ml/min]: 1.00

OK Abbrechen

Confirm with “OK” to start recording.

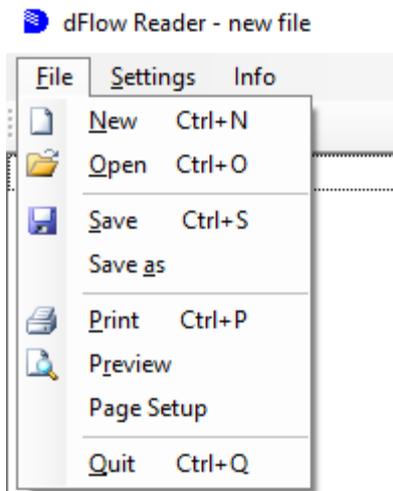


Then the measured values gradually appear in the display field. As soon as all measurements have been recorded, the signature line appears.

Pressing  will stop recording of the report. The following text will appear in the report:

```
*****  
* Report canceled *  
*****
```

4.4 Save / print / open reports



Reports can be stored in a special non-changeable format.

Reports can be printed as a paper or PDF version.



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