



DURATEC d.Flow Reader Software

Manual

Version 1.0



Table of contents

1	Sp	oecifi	ications	.1
2	Sy	vstem	n description	.1
3	Ini	tial o	operation	.2
	3.1	Ins	stalling the device drivers and programs	.2
	3.2	Ins	stalling the data cable	.2
4	Op	perat	ting	.3
	4.1	Set	tting the flowmeter to print mode	.3
	4.2	Tra	ansferring stored reports	.4
	4.3	Re	cording reports	.5
4.3.1 R		3.1	Report Settings	.5
	4.3	3.2	Start recording the report	.6
	4.4	Sa	ave / print / open reports	.7

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)

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- 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

 \rightarrow 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.

dFlow Reader

4 Operating

		File Menu			
dFlow Reader - new file —	×	횥 dFlow Reader - new file			
File Settings Info	~	Eile Settings Info Image: Ima			
		Save Ctrl+S			
		 Print Ctrl+P Preview Page Setup 			
		Quit Ctrl+Q			
		Setting Menu S dFlow Reader - new file			
		File Settings Info			
Port dFlow opened	~	Report Setup Font Printer			
Start Screen Sonware		Font Screen			

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.

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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

dFlow Reader - new file × <u>File</u> <u>Settings</u> Info 🗋 💕 🛃 🎒 🛛 🕨 🔳 *** Calibration Report *** Date/Time 15-11-2023 11:12:26 DURATEC Tester Company rester Name MH Flowmeter Type DURATEC dFlow Flowmeter Serial 2022-002 2022-002 Pump Manufacturer Test Pump Model Pump Serial Pump Flow [ml/min] Test 1111 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
 1.0189 ml/min

 11:14:28
 1.0189 ml/min

 11:14:28
 1.0191 ml/min

 11:15:07
 1.0191 ml/min

 11:15:26
 1.0193 ml/min
 --Time----Flow--Signature Signature

(see also: d.Flow manual chapter 4.5)

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

Report Setup X
Tester Company DURATEC
Tester Name Matthias Hönig
Number of Measurements 10
OK Abbrechen

횔 dFlow Reader - new file								
File	Settings	Info						
	Repo							
	Font	Font Printer						
	Font	Screen						

Information about the tester & how many measurements will be recorded

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	S <u>c</u> hriftschnitt:	Schriftg	rad:	
	Standard	12		ОК
\wedge	Standard 🔥	12	^	Abbrachen
	Kursiv	14		Abbrechen
	Fett	18		
	Fett Kursiv	20		
Υ.	· · · · · · · · · · · · · · · · · · ·	24	۷.	
	Beispiel			
	S <u>k</u> ript: Westlich		•	
	< >	Schriftschnitt: Standard Standard Kursiv Fett Fett Kursiv Beispiel AaBbYy Skript: Westlich	Sghriftschnitt: Schriftg Standard 12 Standard 12 14 16 Fett Fett Kursiv 22 24 Beispiel AaBbYyZz Skript: Westlich	Schriftschnitt: Standard Standard Standard Kursiv Fett Fett Fett Kursiv Beispiel AaBbYyZz Skript: Westlich

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4.3.2 Start recording the report

Press **b** 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.

dFlow Reader - new file	-	-	×
<u>File</u> <u>Settings</u> Info			
i 🗋 💕 🛃 🎒 🕨 🔳			
*** Calibratio	n Report ***		4
Date/Time 07-0	2-2025 09:23:56		
Tester Company	DURATEC		
Tester Name	Matthias Hönig		
Flowmeter Type	d.Flow		
Flowmeter Serial	2024-040		
Pump Manufacturer	Agilent		
Pump Model	G1314		
Pump Serial	US2345678		
Pump Flow [ml/min] 1.00		
Time	Flow		
09:46:41	1.0089 ml/min		
09:47:02	1.0088 ml/min		
09:47:24	1.0097 ml/min		
09:47:45	1.0099 ml/min		
09:48:06	1.0114 ml/min		
09:48:28	1.0109 ml/min		
09:48:49	1.0141 ml/min		
09:49:10	1.0156 ml/min		
09:49:31	1.0165 ml/min		
09:49:53	1.0156 ml/min		
Signature			
Port dFlow opened			

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

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

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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