



VISY-Check

Image: Status state sta	Use Lowe-Case (LC) protocol 68391 VISY-STICK 5.6 Ready CRC 22,059 1166,618 23,054 23,054 1,99 2,3 2,8 2,6 2,7 2,9 1,23 uto start CE VPI Channel
	13201:2280:200
COM Logang	Language VPI Channel
end value of comparator level [\	1,23
	2,3 2,8 2,6 2,7 2,9

 Version:
 1

 Edition:
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Contents

1	Overview	1
2	Installation	1
3	Operation:	2
3.1	Standard protocol	2
3.2	Lower-case protocol	3
3.3	Log file	3
4	Error messages	5
5	List of figures	6



1 Overview

The application VISY-Check is used for functional checking of the FAFNIR sensors TORRIX and VISY-Stick. With this software, device-specific information and measured values can be read and displayed. VISY-Check is part of the FAFNIR USB adapter, which is required for reading the data.

2 Installation

- 1) Connect the FAFNIR sensor to your PC using the FAFNIR USB adapter.
- 2) VISY-Check is delivered as executable file.Please copy this file into any directory and run the "exe" file.The program window opens without data entries (see Fig. 1).
- 3) For sensor connection, the allocated COM-Port must be assigned to the programming interface. The allocated COM port is displayed by the Windows Device Manager (see Fig. 2) and must be selected within the drop-down list of VISY-Check (example: COM 9).

VISY-Check - v3.0.23		🛛
v	Use Lowe-Case (LC) protocol	
Device number		
Firmware		
PS / Status		CRC
Temp.[°C]		
Product Level [mm]		
Water Level [mm]		
Correct measurements [%]	0%	
Start level [V] / Damping [mm]	0,00	0
Pulse length [µs] / Pulse height	0,00	0
COMogging 3 9 5 sec y Start ~ A	Auto start	PI Channel
9		COM9: 1200 8N1

Figure 1: Program Start



Figure 2: COM port



3 Operation:

Select "German" (DE) or "English" (EN) in the "Language" field.

3.1 Standard protocol

After starting the application, the data of the connected sensor will be displayed.

T VISY-Check - v3.0.23	
E C	Use Lowe-Case (LC) protocol
Device number	68391
Firmware	VISY-STICK 5.6
PS / Status 11	Ready CRC
Temp.[°C]	22,059
Product Level [mm]	1166,618
Water Level [mm]	23,054
Correct measurements [%]	100%
start value of comparator level [V]	1,99
Peak width	2,3 2,8 2,6 2,7 2,9
end value of comparator level [V]	1,23
COM Logging	uto start C EN C DE COM1: 1200 BN1

Figure 3: Sensor data

Description of the data fields

Device number:	Device number of the FAFNIR sensor
Firmware:	Version of the stored firmware
PS:	Parameter set (for internal use)
Status:	ready = measured value transmission is working not ready = measured value transmission is not working
CRC:	Data integrity check (green = OK / red = incorrect)
Temp. [°C]:	Display of the sensor temperature in °C
Product Level [mm]:	Position height of the product float in mm
Water Level [mm]:	Position height of the water float in mm
Correct measurements [%]:	green:90-100%correct measurementsyellow:50-90%correct measurementsred:0-50%correct measurements
Start value of comparator level [V]:	Comparison level to the measuring signal (start value)
Peak width [µs/counts]:	Peak width of the measured signal (1-5 μ s)
End value of comparator level [V]:	Comparison level to the measuring signal (end value)



3.2 Lower-case protocol

In case of using the Multi Protocol with several sensors in parallel operation, the Lower-case protocol must be selected for displaying the measured values:

Provide the state of the state						
V Use Lowe-Case (LC) protocol						
Device numb	ber	68391				
Firmware	a 5.6.20	VISY	-STI	CK 5.6		
PS / Status	11		0	CRC		
Temp.[°C]				21,873		
Product Leve	el [mm]		11	69,243		
Water Level			24,373			
Correct measurements [%]		10	0%			
Start level [V] /	Damping [mm]	2,00		8160		
Pulse length [µ	2,24		160			
COM Logging VPI Channel						

Figure 4: Lower-case protocol

The display of the Lower-case protocol differs from the standard display by indicating additional 5 temperatures when using VISY-Stick Advanced probes, as well as indicating additional attenuation and pulse height of the measured signals.

3.3 Log file

The measured values can be stored to a log file. To do this, enter the storage interval in the "Logging" field and select the unit [sec / min] (example: 5 seconds).

With the "Start" button a file query opens to specify the location and name of the log file (see following figure).

Logdatei au	swählen			? 🗙
<u>S</u> uchen in:	🗎 Eigene Dateien	• + [è 🖆	Ⅲ -
Download: Eigene Bild Eigene Mu HEW Outlook Si Outlook-D	s ler sik cherungen (Nicht Löschen) ateien) Check_log.log Portmon.log		
<]		>
Datei <u>n</u> ame:	Check_log.log			0 <u>f</u> fnen
Datei <u>t</u> yp:	Logdateien (*.log)	•] _/	Abbrechen

Figure 5: Log file directory

After this query is confirmed, the storage of the measured values starts.



With the "stop" button, the storage of the measured values will be interrupted (see following figure).



Figure 6: Storage of measured values

The log file contains the following values which are formatted here for clarity:

	Serien-	Produkt-	Produktfüll-	Wasserfüll-	Startwert		Endwert	Korrekte		Firmware
Datum/Uhrzeit	nummer	temperatur [°C]	höhe [mm]	höhe [mm]	Vergleichspegel	Peakbreiten	Vergleichspegel	Messungen [%]	Status	Version
08.09.2014 15:26	56505	24,125	185,034	26,07	1,99	2,1 2,1 2,1 2,1 2,1	1,76	100	Ready	VISY-STICK 5.4
08.09.2014 15:26	56505	24,019	185,041	26,072	1,99	2,0 2,0 2,0 2,0 2,0	1,76	100	Ready	VISY-STICK 5.4
08.09.2014 15:26	56505	23,882	185,05	26,073	1,99	1,8 2,0 2,0 2,2 1,8	1,76	100	Ready	VISY-STICK 5.4
08.09.2014 15:26	56505	23,84	185,094	26,068	1,99	2,0 2,0 2,0 2,0 2,0	1,76	100	Ready	VISY-STICK 5.4
08.09.2014 15:26	56505	23,787	185,109	26,068	1,99	2,2 2,2 2,2 2,2 2,1	1,76	100	Ready	VISY-STICK 5.4
08.09.2014 15:26	56505	23,724	185,12	26,069	1,99	1,9 2,0 2,0 2,0 1,9	1,76	100	Ready	VISY-STICK 5.4
08.09.2014 15:26	56505	23,697	185,141	26,067	1,99	2,0 2,0 2,0 2,1 2,0	1,76	100	Ready	VISY-STICK 5.4
08.09.2014 15:26	56505	23,638	185,166	26,068	1,99	2,0 2,0 2,0 2,0 2,0	1,76	100	Ready	VISY-STICK 5.4



4 Error messages

In case of incorrect readings following warnings will be displayed:

WISY-Check - v3.0.23				
n	Use Lowe-Case (LC) protocol			
Device number	68391			
Firmware	VISY-STICK 5.6			
PS / Status 11	Ready CRC			
Temp.[°C]	22,059			
Product Level [mm]	188,241			
Water Level [mm]	12,257			
Correct measurements [%]	<mark>53%</mark>			
start value of comparator level [V]	1,99			
Peak width	2,3 2,8 2,6 2,7 2,9			
end value of comparator level [V]	1,23			
COM Logging VPI Channel ♀ 9 ■ 5 sec ▼ Start □ Auto start ○ EN ○ DE □ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				

Figure 7: Warning

Once the number of valid measured values falls below 90 %, the colour of the signal bar changes from green to yellow.

Provide the second seco			
	n	Use Lowe-Case (LC) protocol	
Device numb	er		68391
Firmware		VISY-STI	CK 5.6
PS / Status	11	Ready	CRC
Temp.[°C]			22,059
Product Leve	l [mm]	1	88,242
Water Level [[mm]		12,259
Correct meas	surements [%]	38%	
start value of co	mparator level [V]		1,99
Peak width	μs	2,3 2,8 2,6 2	2,7 2,9
end value of cor	mparator level [V]		1,23
COM Logging	5 sec 💌 Start 🗆 A	Language VF ≪ EN ← DE	I Channel
			COM1: 1200 8N1

Figure 8: Error

Once the number of valid measured values falls below 50 %, the colour of the signal bar changes from yellow to red.



5 List of figures

Figure 1: Program Start	1
Figure 2: COM port	1
Figure 3: Sensor data	2
Figure 4: Lower-case protocol	3
Figure 5: Log file directory	3
Figure 6: Storage of measured values	4
Figure 7: Warning	5
Figure 8: Error	5





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