

Manufacturer Information

Software and hardware changes (according to NAMUR recommendation NE 53)

1. Type of instrument

- ☑ 1. Field device
- □ 3. Display/adjustment system

- □ 2. Signal processing instrument
- □ 4. Adjustment software

Manufacturer: VEGA Grieshaber KG

VEGAPULS Instr.: C 21,

Type: Three-wire SDI-12

C 22, C 23

2. Software

Previous software version:							Dated	September 2020
New software version:	1		0 0	2 3	0 0	0 1	Dated	September 2023
		L					I .	

Description of the modification in comparison with the predecessor version:

- New stage measured value via SDI-12 and corresponding adjustment
- Measurement function:
 - \circ $\;$ Error in near range in the "Bulk material" application fixed
 - Extension of the additional safety at the end of range in the "rain overflow basin" application to 8 m
- Bluetooth communication:
- Sensor now allows up to 5 simultaneous connections (but only one via which VVO is communicated)

For detailed information see overview of the versions in the download area under www.vega.com/downloads.

3. Hardware

Previous hardware version:	1	.	0	2	0	Dated	January 2022
New hardware version:						Dated	



Description of the modification in comparison with the predecessor version: For detailed information see overview of the versions in the download area under <u>www.vega.com/downloads</u>.

4. Software compatibility

Is a software update necessary?

- ⊠ No
- □ Yes, reason:

Is downward compatibility given after installation of the new software?

□ Yes

No, description

- "Stage" measured value corresponded previously to the filling height, is now a new measured value
- "setStage" adjustment is now done differently

How can the software update be carried out (description of the procedure)?

Via adjustment tool PACTware/DTM

4. Operating instructions

Were the operating instructions changed due to the software/hardware modification?

⊠ Yes

Instrument type	New instruction no.	Dated
VEGAPULS C 21, three-wire SDI-12	58342	
VEGAPULS C 22, three-wire SDI-12	58345	
VEGAPULS C 23, three-wire SDI-12	58348	

□ No

Instrument type	Previous instruction no.	Dated

5. Price

Did the price change?				
⊠ No				
Yes				
Previous list price of the instrument:	€			
New list price of the instrument:		€		
Price for an update (without installation):		€		
			0	10
2022-06-30		1. V.	homas	Jak
Date		Signatur	е	

Manufacturer Information software and hardware changes NE 53



Manufacturer Information Software and hardware changes (according to NAMUR recommendation NE 53) 1. Type of instrument ☑ 1. Field device □ 2. Signal processing instrument 3. Display/adjustment system □ 4. Adjustment software VEGAPULS Manufacturer: VEGA Grieshaber KG Instr.:C 21, Type: Three-wire SDI-12 C 22, C 23 2. Software Previous software version: 0 2 Dated September 2020 1 0 0 New software version: Dated Description of the modification in comparison with the predecessor version:

For detailed information see overview of the versions in the download area under <u>www.vega.com/downloads</u>.

3. Hardware

Previous hardware version:						Dated	November 2019
	1	0	1	0	0		
New hardware version:	1	0	2	0	0	Dated	January 2022
						-	

Description of the modification in comparison with the predecessor version:

- Activation for switch controller in the power supply unit revised

- Behaviour for large reception signals optimised

For detailed information see overview of the versions in the download area under www.vega.com/downloads.

4. Software compatibility

Is a software update necessary?

- 🛛 No
- □ Yes, reason:

Is downward compatibility given after installation of the new software?

- ⊠ Yes
- □ No, description:



How can the software update be carried out (description of the procedure)?

Via adjustment tool PACTware/DTM

4. Operating instructions

Were the operating instructions changed due to the software/hardware modification? □ Yes,

Instrument type	New instruction no.	Dated

🛛 No

Instrument type	Previous instruction no.	Dated
VEGAPULS C 21, three-wire SDI-12	58342	2021-11-03
VEGAPULS C 22, three-wire SDI-12	58345	2021-11-03
VEGAPULS C 23, three-wire SDI-12	58348	2021-11-03

5. Price

Did the price change?

- No \times
- □ Yes

Previous list price of the instrument:	€	
New list price of the instrument:	€	
Price for an update (without installation):	€	

2020-01-17 Date

i. V. Anomas Dal Signature



Manufacturer Information

Software and hardware changes (according to NAMUR recommendation NE 53)

5. Type of instrument

- ☑ 1. Field device
- □ 3. Display/adjustment system

- □ 2. Signal processing instrument
- □ 4. Adjustment software

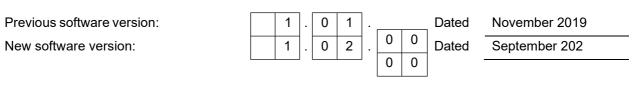
Manufacturer: VEGA Grieshaber KG

Instr.:C 21, C 22, C 23

VEGAPULS

Type: Three-wire SDI-12

6. Software



Description of the modification in comparison with the predecessor version:

- Extensions for international radio licenses
- Additional encryption for Bluetooth communication
- Increased accuracy of the first measured value
- Querying of the measuring certainty by SDI-12command
- Various error corrections

For detailed information see overview of the versions in the download area under www.vega.com/downloads.

7. Hardware

Previous hardware version:									Dated	November 2019
		1		0	1			0		
New hardware version:			-].			Dated	
Description of the modification in comparison with the predecessor version:										
For detailed information see overview of the versions in the download area under <u>www.vega.com/downloads</u> .										

8. Software compatibility

Is a software update necessary?

⊠ No

☐ Yes, reason:

Is downward compatibility given after installation of the new software?

- ⊠ Yes
- No, description:



How can the software update be carried out (description of the procedure)? Via adjustment tool PACTware/DTM

6. Operating instructions

Were the operating instructions changed due to the software/hardware modification?

⊠ Yes

Instrument type	New instruction no.	Dated
VEGAPULS C 21, three-wire SDI-12	58342	2020-08-06
VEGAPULS C 22, three-wire SDI-12	58345	2020-08-06
VEGAPULS C 23, three-wire SDI-12	58348	2020-08-06

🗆 No

Instrument type	Previous instruction no.	Dated

7. Price

Did the price change?

🛛 No

□ Yes

Previous list price of the instrument:	€	
New list price of the instrument:	€	
Price for an update (without installation):	€	

2020-09-07

Date

j. V. homas Dal Signature