

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

Manufacturer: VEGA Grieshaber KG
 VEGAPULS Instr.: C 21, C 22, C 23
 Type: Three-wire SDI-12

2. Software

Previous software version:

	1
	1

 .

0	2
0	3

 .

0	0
0	1

 Dated September 2020

New software version:

	1
	1

 .

0	2
0	3

 .

0	0
0	1

 Dated September 2023

Description of the modification in comparison with the predecessor version:

- New stage measured value via SDI-12 and corresponding adjustment
- Measurement function:
 - o Error in near range in the "Bulk material" application fixed
 - o 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
	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 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
 - "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): € _____

2022-06-30

 Date

J. V. Thomas

 Signature

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 VEGAPULS Instr.: C 21, C 22, C 23
Type: Three-wire SDI-12

2. Software

Previous software version:

	1

 .

0	2

 .

0	0

 Dated September 2020
 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 www.vega.com/downloads.

3. Hardware

Previous hardware version:

	1

 .

0	1
0	2

 .

0	0
0	0

 Dated November 2019
 New hardware version: _____ 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

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. Thomas Dals

 Signature

Manufacturer Information

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

5. Type of instrument

1. Field device
 2. Signal processing instrument
 3. Display/adjustment system
 4. Adjustment software

Manufacturer: VEGA Grieshaber KG
 VEGAPULS Instr.: C 21, C 22, C 23
Type: Three-wire SDI-12

6. Software

Previous software version:

	1

 .

0	1

 . Dated November 2019
 New software version:

	1

 .

0	2

 .

0	0
0	0

 Dated September 202

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:

	1

 .

0	1

 .

	0

 Dated November 2019
 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 www.vega.com/downloads.

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

i. V. Thomas Dal

 Signature