

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

Instr.: VEGAPULS 21, 31 **Type** : Two-wire 4 ... 20 mA/HART

2. Software

Previous software version:

	1	.	0	2	.	0	1	Dated	<u>May 2021</u>
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New software version:

	1	.	0	2	.	0	2	Dated	<u>November 2022</u>
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Description of the modification in comparison with the predecessor version:

- Support alternative D/A converter for current output and HART modem
- Sensor now allows up to 5 simultaneous Bluetooth connections (but only one communicating VVO)

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

3. Hardware

Previous hardware version:

	1	.	0	3	.	0	0	Dated	<u>December 2021</u>
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New hardware version:

	1	.	0	3	.	0	1	Dated	<u>November 2022</u>
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Description of the modification in comparison with the predecessor version:

- Alternative D/A converter for current output and HART modem

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

Was 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 21, two-wire 4 ... 20 mA/HART	58351	2022-10-26
VEGAPULS 31, two-wire 4 ... 20 mA/HART	57820	2022-10-26

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): _____ €

2022-11-25
Date

J. V. Thomas
Signature

Manufacturer Information

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Manufacturer: VEGA Grieshaber
KG

Instr.: VEGAPULS 21, 31 **Type** : Two-wire 4 ... 20 mA/HART

2. Software

Previous software version:

	1

 .

0	2

 .

0	1

 Dated May 2021
 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	2

 .

0	0

 Dated August 2021
 New hardware version:

	1

 .

0	3

 .

0	0

 Dated December 2021

Description of the modification in comparison with the predecessor version:

- Temperature stability of the current output improved

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

Was 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 21, two-wire 4 ... 20 mA/HART	58351	2021-04-22
VEGAPULS 31, two-wire 4 ... 20 mA/HART	57820	2021-04-22

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): _____ €

2021-11-29

 Date

J. V. Thomas

 Signature

Manufacturer Information

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

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Manufacturer: VEGA Grieshaber
KG

Instr.: VEGAPULS 21, 31 **Type** : Two-wire 4 ... 20 mA/HART

2. Software

Previous software version:

	1

 .

0	2

 .

0	1

 Dated May 2021
 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	0

 Dated November 2019
 New hardware version:

	1

 .

0	2

 .

0	0

 Dated August 2021

Description of the modification in comparison with the predecessor version:

- Sporadic failures of a switching regulator have been eliminated by modified control.

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

Was 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 21, two-wire 4 ... 20 mA/HART	58351	2021-04-22
VEGAPULS 31, two-wire 4 ... 20 mA/HART	57820	2021-04-22

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): _____ €

2021-09-28

 Date

J. V. Thomas

 Signature

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

1. Type of instrument

1. Field device
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 4. Adjustment software

Manufacturer: VEGA Grieshaber
KG

Instr.: VEGAPULS 21, 31 **Type** : Two-wire 4 ... 20 mA/HART

2. Software

Previous software version:

	1

 .

0	2

 .

0	0

 Dated September 2020
 New software version:

	1

 .

0	2

 .

0	1

 Dated May 2021

Description of the modification in comparison with the predecessor version:

- Measurement function:
 - o Error in the close range in the application "Bulk solids" corrected
 - o Extending the additional safety at the end of the measuring range in the "stormwater overflow basin" application to 8 m
- Bluetooth communication:
 - o Sensor now allows up to 5 simultaneous connections (but only one communicating VVO)

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	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.

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

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

Yes,

Instrument type	New instruction no.	Dated
VEGAPULS 21, two-wire 4 ... 20 mA/HART	58351	2021-04-22
VEGAPULS 31, two-wire 4 ... 20 mA/HART	57820	2021-04-22

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): _____ €

2021-06-01
Date

J. V. Thomas
Signature

Manufacturer Information

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

1. Type of instrument

1. Field device
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 3. Display/adjustment system
 4. Adjustment software

Manufacturer: VEGA Grieshaber
KG

Instr.: VEGAPULS 21, 31 **Type** : Two-wire 4 ... 20 mA/HART

2. Software

Previous software version:

	1	.	0	1	.	0	0
	1	.	0	2	.	0	0

Dated November 2019

New software version:

	1	.	0	1	.	0	0
	1	.	0	2	.	0	0

Dated September 2020

Description of the modification in comparison with the predecessor version:

- Extensions for international radio approvals
- Additional encryption of Bluetooth communication
- Increased accuracy of the first measured value
- Japanese menu of the on-site display
- Various error corrections

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	0
	1	.	0	2	.	0	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.

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

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

Yes,

Instrument type	New instruction no.	Dated
VEGAPULS 21, two-wire 4 ... 20 mA/HART	58351	2020-08-06
VEGAPULS 31, two-wire 4 ... 20 mA/HART	57820	2020-08-06

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): _____ €

2020-09-07

 Date

J. V. Thomas D&S

 Signature