

Software and hardware changes (according to NAMUR recommendation NE 53

٥,	ontware and nardware changes (	according	g to thantout recomme	iiuai	IOII INL 33	)
1.	Type of instrument					
$\boxtimes$	1. Field device				2. Signal p	processing instrument
	3. Display/adjustment system			4. Adjustm	nent software	
<b>Ma</b> KG	nufacturer: VEGA Grieshaber	Instr.:	VEGAPULS 21, 31	:	Гуре Тw	o-wire 4 20 mA/HART
2. \$	Software					
Pre	evious software version:		1 . 0 2 . 0	1	Dated	May 2021
Ne	w software version:		1 . 0 2 . 0	2	Dated	November 2022
De	scription of the modification in co	ompariso	n with the predecessor	vers	sion:	
	<ul><li>Support alternative D/A cor</li><li>Sensor now allows up to 5</li></ul>		•			one communicating VVO)
Foi	r detailed information see overvi	ew of the	versions in the downlo	oad a	area under	www.vega.com/downloads.
3. I	Hardware					
Pre	evious hardware version:		1 . 0 3 . 0	0	Dated	December 2021
Ne	w hardware version:		1 . 0 3 . 0	1	Dated	November 2022
De	scription of the modification in co	ompariso	n with the predecessor	vers	sion:	
	- Alternative D/A converter for	or current	output and HART mo	dem		
Foi	r detailed information see overvi	ew of the	versions in the downlo	oad a	area under	www.vega.com/downloads.
4. \$	Software compatibility					
ls a	a software update necessary?					
$\boxtimes$	No					
	Yes, reason:					
ls c	downward compatibility given aft	er installa	ation of the new softwa	ıre?		
$\boxtimes$	Yes					
	No, description:					

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

Via adjustment tool PACTware/DTM



4. Operating in	nstructions							
Was the operat	ing instructions changed due	e to the software/hardwa	are 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 ch	nange?							
<ul><li>✓ No</li></ul>	ange:							
□ Yes								
Previous list pri	ce of the instrument:	€						
New list price o	f the instrument:	€						
Price for a installation):	an update (without	•	: :					
			0	7 -				
2022	-11-25	1. 0	1. Momas &	as				
Date			Signature					



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

1. Type of instrument							
					2. Sign	al processing	instrument
☐ 3. Display/adjustment system					4. Adju	stment softwa	are
<b>Manufacturer:</b> VEGA Grieshaber KG	Instr.:	VEGAPL	JLS 21, :		Гуре	Two-wire 4 .	20 mA/HART
2. Software							
Previous software version:		1 . 0	2 .	0 1	Date	d May 202	21
New software version:		-			Date	d	
Description of the modification in c	ompariso	n with the p	redeces	sor vers	sion:		
For detailed information see overv	iew of the	versions in	the dow	nload a	ırea un	der <u>www.veg</u>	a.com/downloads
3. Hardware							
Previous hardware version:		1 . 0	2 .	0 0	Date	d August 2	2021
New hardware version:		1 . 0	3 .	0 0	Date	d Decemb	er 2021
Description of the modification in c - Temperature stability of th	e current	output impr	oved				(1)
For detailed information see overv	lew of the	versions in	tne dow	/nioad a	irea un	der <u>www.veg</u>	a.com/downloads
4. Software compatibility							
Is a software update necessary?							
⊠ No							
☐ Yes, reason:							
Is downward compatibility given af	ter installa	ation of the	new soft	tware?			
⊠ Yes	☑ Yes						
☐ No, description:							
How can the software update be c	arried out	(descriptio	n of the <sub>l</sub>	procedu	ıre)?		
Via adjustment tool PACTwar	e/DTM						



#### 4. Operating instructions

Was the operati	ng instructions changed	due to the software/hardwa	re modification?		
□ Yes,					
	Instrument type		New instruction no.	Dated	
⊠ No,				ı	
	Instrument type		Previous instruction no.	Dated	
	VEGAPULS 21, two-wir	e 4 20 mA/HART	58351	2021-04-22	
	VEGAPULS 31, two-wir	e 4 20 mA/HART	57820	2021-04-22	
5. Price					
Did the price ch	ange?				
⊠ No					
□ Yes					
Previous list prid	ce of the instrument:	€			
New list price of	<u> </u>	€			
Price for a installation):	n update (without -	€			
			0	7 -	
	11-29	i. U		is	
Date		Si	ignature		



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1. Type of instrument						
			□ 2.8	Signal p	orocessing	instrument
☐ 3. Display/adjustment system			□ 4. <i>A</i>	djustn	nent softwa	re
<b>Manufacturer:</b> VEGA Grieshaber KG	Instr.: VE	GAPULS 21,	Тур 31 :		vo-wire 4	20 mA/HART
2. Software						
Previous software version:	1	. 0 2 .	0 1 0	ated	May 202	1
New software version:		1.		ated		
Description of the modification in o	omparison with	h the predeces	sor versior	1:		
For detailed information see overv	iew of the vers	ions in the dov	vnload area	ı undei	www.vega	a.com/downloads
3. Hardware						
Previous hardware version:	1	. 0 1 .	0 0	ated	Novembe	er 2019
New hardware version:	1	. 0 2 .	0 0 0	ated	August 2	021
Description of the modification in o	comparison with	h the predeces	sor versior	ı:		
- Sporadic failures of a swit	ching regulator	have been eli	minated by	modifi	ed control.	
For detailed information see overv	iew of the vers	ions in the dov	vnload area	undei	www.vega	a.com/downloads
4. Software compatibility						
Is a software update necessary?						
⊠ No						
☐ Yes, reason:						
Is downward compatibility given at	ter installation	of the new sof	tware?			
☑ Yes						
☐ No, description:						
How can the software update be of	arried out (des	cription of the	procedure)	?		
Via adjustment tool PACTwar	·e/DTM					



#### 4. Operating instructions

Was th	ne operati	ng instructions changed	due to the software/hardw	are modification?	
□ Y	es,				
		Instrument type		New instruction no.	Dated
⊠ N	lo,				
		Instrument type		Previous instruction no.	Dated
		VEGAPULS 21, two-wi	re 4 20 mA/HART	58351	2021-04-22
		VEGAPULS 31, two-wi	re 4 20 mA/HART	57820	2021-04-22
5. Pric	e				
Did the	e price ch	ange?			
<ul><li>⋈ N</li><li>□ Y</li></ul>	lo es				
Previo	us list prid	ce of the instrument:	•	Ē	
		the instrument:	•	€	
Price installa		n update (without	•	€	
	_			1. Inomas &	8
	2021- Date	09-28		Signature	ie.
	Date		`	oignatule	



S	Software and hardware changes (according to NAMUR recommendation NE 53)						
1.	ype of instrument						
$\boxtimes$	1. Field device ☐ 2. Signal processing instrument						
	3. Display/adjustment system ☐ 4. Adjustment software						
<b>Ma</b> KG	nufacturer: VEGA Grieshaber						
2. 9	oftware						
Pre	vious software version: 1 . 0 2 . 0 0 Dated September 2020						
Ne	v software version:  1 . 0 2 . 0 1 Dated May 2021						
De	cription of the modification in comparison with the predecessor version:						
-	Measurement function:						
	<ul> <li>Error in the close range in the application "Bulk solids" corrected</li> </ul>						
	<ul> <li>Extending the additional safety at the end of the measuring range in the "stormwater overflow basin" application to 8 m</li> </ul>						
-	Bluetooth communication:						
	<ul> <li>Sensor now allows up to 5 simultaneous connections (but only one communicating VVO)</li> </ul>						
Fo	detailed information see overview of the versions in the download area under www.vega.com/downloads.						
3. I	ardware						
Pre	vious hardware version: 1 . 0 1 . 0 0 Dated November 2019						
Ne	v hardware version:						
De	cription of the modification in comparison with the predecessor version:						
Fo	detailed information see overview of the versions in the download area under <u>www.vega.com/downloads</u> .						
4. \$	oftware compatibility						
ls a	software update necessary?						
$\boxtimes$	No						
	Yes, reason:						
ls d	ownward compatibility given after installation of the new software?						
$\boxtimes$	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 opera	ating instructions changed due to the software/hardw	vare modification?						
	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 of	change?							
⊠ No	C .							
□ Yes								
Previous list p	rice of the instrument:	€						
-	of the instrument:	€						
Price for installation):	an update (without	€						
		. 0	7 0					
	1-06-01	V. Romas &	ix					
Date	е	Signature						



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

1. Type of instrument						
				□ 2	. Signal	processing instrument
☐ 3. Display/adjustment system				□ 4	. Adjust	ment software
<b>Manufacturer:</b> VEGA Grieshaber KG	Instr.:	VEGAPU	LS 21, 31	T	ype 	wo-wire 4 20 mA/HART
2. Software						
Previous software version:		1 . 0	1 . 0	0	Dated	November 2019
New software version:		1 . 0	2 . 0	0	Dated	September 2020
<ul> <li>Extensions for international radio approvals</li> <li>Additional encryption of Bluetooth communication</li> <li>Increased accuracy of the first measured value</li> <li>Japanese menu of the on-site display</li> <li>Various error corrections</li> </ul> For detailed information see overview of the versions in the download area under <a href="www.vega.com/downloads">www.vega.com/downloads</a> .						
3. Hardware						
Previous hardware version:		1 . 0	1 . 0	0	Dated	November 2019
New hardware version:					Dated	
Description of the modification in co	ompariso	n with the pr	edecesso	r versi	ion:	
For detailed information see overvie	ew of the	versions in	the downl	oad ar	ea unde	er www.vega.com/downloads.
4. Software compatibility						
Is a software update necessary?						
⊠ No						
☐ Yes, reason:						
Is downward compatibility given after	er installa	ation of the r	new softwa	are?		
⊠ Yes						
□ No, description:						



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

4. Operating instruction	ons
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Was the operating instructions char	ged due to the s	software/hardware	modification?
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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):	€		
		0	7 0
2020-09-07	1. V.	Monas &	as
Date	Signat	ure	