

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

1. T	ype of instrument					
$\boxtimes$	Field device				Signal pro	ocessing instrument
	Display/adjustment system				Adjustme	nt software
<b>Ma</b> ı KG	nufacturer: VEGA Grieshaber	Instr.:	VEGAPULS 6X		Type : Ty	wo-wire HART
2. 8	Software					
Pre	vious software version:		1 . 2 .	0	Dated	March 2023
Neν	v software version:		<del>                                     </del>		Dated	
Des	scription of the modification in co	mpariso	n with the predecesso	r ve	rsion:	
For	detailed information see overvie	w of the	versions in the download	oad a	area undei	.www.vega.com/download
3. F	lardware					
Pre	vious hardware version:		1. 1.	2	2 Dated	September 2022
Neν	v hardware version:		1 . 1 .	4	Dated	May 2023
	scription of the modification in co - Smaller circuit board correc - No functional change detailed information see overvie	tion	·			·. <u>www.vega.com/download</u>
4. 8	Software compatibility					
ls a	software update necessary?					
$\boxtimes$	No					
	Yes, reason:					
ls d	ownward compatibility given afte	er installa	ation of the new softwa	are?		
$\boxtimes$	Yes					
	No, description:					
Ηον	v can the software update be ca	rried out	? (description of the p	roce	dure)	
	Via adjustment tool PACTware	/DTM				



4. Operating in	nstructions			
Was the operat	ing instructions changed du	e to the software/hardw	are modification?	
□ Yes,				
	Instrument type		New instruction no.	Dated
⊠ No,				
	Instrument type		Previous instruction no.	Dated
	VEGAPULS 6X		66190	7.11.2022
	VEGAPULS 6X with overv	oltage protection	66442	7.11.2022
5. Price				
Did the price ch	nange?			
⊠ No				
□ Yes				
Previous list pri	ce of the instrument:	,	€	
New list price o	f the instrument:		€	
Price for a installation):	an update (without		€	
			0	7 0
	-05-17		V. Romas &	ne
Date			Signature	



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1. Type of instrument				
<ul><li>☑ Field device</li><li>☐ Display/adjustment system</li></ul>			<ul><li>☐ Signal processing instrument</li><li>☐ Adjustment software</li></ul>	
<b>Manufacturer:</b> VEGA Grieshaber KG	Instr.:	VEGAPULS 6X	Type : Two-wire HART	
2. Software				
Previous software version: New software version:		1 . 1 .	0 Dated July 2022 0 Dated March 2023	

Description of the modification in comparison with the predecessor version:

- Measurement function:
  - Support for additional antennas
    - PVDF thread with integrated antenna system
    - Hygienic fitting
    - Flange with horn antenna
  - Support of applications standpipe and bypass
  - Extension of the adjustment limits to -120 m and +120 m
- In general
  - Support of additional electronics 2nd current output, four-wire and Modbus.
  - Report of the device test shows more detailed information about pending errors.
  - Changing the default settings of the measured value memory: Additional measured value recording if the percentage value difference is greater than 15 %.

#### Fault rectification

- Measurement function
  - Sensor outputted a fault current for a short time when the measuring function was re-parameterised
  - The sensor outpt a wrong current value when
    - scaled level value was assigned to the current output and "mm", "ft", "°K" or "°F" was adjusted as scaling unit.
    - the level or distance value was assigned to the current output and "in" was set as the distance unit.
- General information:
  - After performing a reset, it could happen that the sensor restarted.
- PLICSCOM:
  - The device settings from a VEGAPULS 64 or VEGAPULS 69 could be written incorrectly into a VEGAPULS 6X.
  - The scaling adjustment could not be inverted.
  - The sensor could possibly fail when copying the device settings.
  - Display error in the Chinese menu fixed.

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



#### 3. Hardware

Previous hardw New hardware v			1	-	1			1	Dated Dated	August 202	2
new nardware v	reision.			•			•		Dated		
Description of the	Description of the modification in comparison with the predecessor version:										
For detailed info	For detailed information see overview of the versions in the download area under . <u>www.vega.com/downloads</u> .										
4. Software co	mpatibility										
Is a software up	date necessary?										
⊠ No											
☐ Yes, reaso	n:										
Is downward co	mpatibility given after insta	allati	on o	f the	new	s	oftwa	ıre?			
⊠ Yes											
☐ No, descrip	otion:										
How can the so	ftware update be carried c	ut?	(des	cript	on o	ft	he pr	oced	ure)		
Via adjustn	nent tool PACTware/DTM										
4. Operating in	structions										
Was the operati	ng instructions changed d	ue to	o the	soft	ware	e/h	nardw	are n	nodificatio	n?	
□ Yes,											
	Instrument type							Ne	ew instruct	tion no.	Dated
⊠ No,											
	Instrument type							Pr	evious ins	truction no.	Dated

Instrument type	Previous instruction no.	Dated
VEGAPULS 6X	66190	7.11.2022
VEGAPULS 6X with overvoltage protection	66442	7.11.2022



#### 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):	€
29.3.2023	i. V. Romas Das
Date	Signature



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1. 1	Type of instrument					
$\boxtimes$	Field device				Signal pro	ocessing instrument
	Display/adjustment system				Adjustme	nt software
<b>Ma</b> KG	nufacturer: VEGA Grieshaber	Instr.:	VEGAPULS 6X		Type : Tv	wo-wire HART
2. 8	Software					
Pre	evious software version:		1. 1.	0	Dated	July 2022
Nev	w software version:		<del>                                     </del>		Dated	
Des	scription of the modification in co	mpariso	n with the predecesso	r ve	rsion:	
For	detailed information see overvie	w of the	versions in the downlo	oad a	area under	.www.vega.com/downloads
3. F	lardware I					
Pre	vious hardware version:		1. 1.	1	Dated	August 2022
Nev	w hardware version:		1 . 1 .	2	2 Dated	September 2022
	scription of the modification in co  - Change of the component a  - No functional change  detailed information see overvie	ıvailabilit	ty			· . <u>www.vega.com/downloads</u>
4. 5	Software compatibility					
ls a	software update necessary?					
$\boxtimes$	No					
	Yes, reason:					
ls d	lownward compatibility given afte	er installa	ation of the new softwa	are?		
$\boxtimes$	Yes					
	No, description:					
Hον	w can the software update be ca	rried out	? (description of the p	roce	dure)	
	Via adjustment tool PACTware	/DTM				



4. Operating in	nstructions			
Was the operat	ting instructions changed due to the	software/hardwa	re modification?	
□ Yes,				
	Instrument type		New instruction no.	Dated
⊠ No,				
	Instrument type		Previous instruction no.	Dated
	VEGAPULS 6X		66190	2022-01-17
	VEGAPULS 6X with overvoltage	protection	66442	2022-01-17
5. Price				
Did the price ch	nange?			
<ul><li>⋈ No</li><li>□ Yes</li></ul>				
Previous list pri	ice of the instrument:	€		
	of the instrument:	€		
Price for a installation):	an update (without 	€		
2022	-10-24	il	. Inomas &	as a
Date		S	ignature	



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1. Type of instrument	
⊠ Field device	☐ Signal processing instrument
☐ Display/adjustment system	☐ Adjustment software
Manufacturer: VEGA Grieshaber KG Instr.: VEGAPULS 6X	Type : Two-wire HART
2. Software	
Previous software version:	0 Dated July 2022
New software version:	Dated
Description of the modification in comparison with the predeces	essor version:
For detailed information see overview of the versions in the dov	wnload area under . <u>www.vega.com/download</u>
3. Hardware I	
Previous hardware version:	0 Dated July 2022
New hardware version:	1 Dated September 2022
Description of the modification in comparison with the predeces	essor version:
<ul><li>Solving of problems with component scattering</li><li>No functional change</li></ul>	
For detailed information see overview of the versions in the dov	wnload area under . <u>www.vega.com/download</u>
4. Software compatibility	
Is a software update necessary?	
⊠ No	
□ Yes, reason:	
Is downward compatibility given after installation of the new so	oftware?
⊠ Yes	
□ No, description:	
How can the software update be carried out? (description of th	ne procedure)

Via adjustment tool PACTware/DTM



### 4. Operating instructions

Was the operati	ing instructions changed due to the software/hardwa	re modification?				
□ Yes,						
	Instrument type	New instruction no.	Dated			
⊠ No,						
	Instrument type	Previous instruction no.	Dated			
	VEGAPULS 6X	66190	2022-01-17			
	VEGAPULS 6X with overvoltage protection	66442	2022-01-17			
5. Price						
Did the price ch	ange?					
⊠ No						
□ Yes						
Previous list pri	ce of the instrument: €					
New list price of	f the instrument:					
Price for a installation):	an update (without€					
		0 0	0			
2022- Date	-10-10 /. <u>/</u> S	Granture Guardina Gua				
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Software and hardware changes (according to NAMUR recommendation NE 53)

S (	J				,		
1. Type of instrument							
⊠ Field device					Signal pro	cessing instrume	ent
□ Display/adjustment system					•	nt software	
Manufacturer: VEGA Grieshaber KG Ins	str.:	VEGAPU	LS 6X	T	ype 	vo-wire HART	
2. Software							
Previous software version:		1.	0 .	0	Dated	March 2022	
New software version:		1 .	1 .	0	Dated	July 2022	
Description of the modification in compa	arison	with the pr	edecesso	r versi	ion:		
<ul><li>Support of the SIL mode</li><li>Fault rectification</li></ul>							
For detailed information see overview o	of the v	versions in t	he downlo	ad ar	ea under	.www.vega.com/	downloads.
3. Hardware I							
Previous hardware version:		1 .	0 .	0	Dated	March 2022	
New hardware version:		1 .	1 .	0	Dated	July 2022	
Description of the modification in compa - Changes for Ex approval	arison	n with the pr	redecesso	r versi	ion:		
For detailed information see overview o	f the \	versions in t	he downlo	ad ar	ea under	.www.vega.com/	downloads.
4. Software compatibility							
Is a software update necessary?							
⊠ No							
□ Yes, reason:							
ls downward compatibility given after in	ıstalla	tion of the r	new softwa	are?			
⊠ Yes							
□ No, description:							

Via adjustment tool PACTware/DTM

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



### 4. Operating instructions

Was the operati	ng instructions changed due to the so	oftware/hardwa	re modification?	
□ Yes,				
	Instrument type	New instruction no.	Dated	
⊠ No,				
	Instrument type		Previous instruction no.	Dated
	VEGAPULS 6X		66190	2022-01-17
	VEGAPULS 6X with overvoltage pro	otection	66442	2022-01-17
5. Price				
Did the price ch	ange?			
⊠ No				
□ Yes				
Previous list prid	ce of the instrument:	€		
New list price of	the instrument:	€		
Price for a installation):	n update (without	€		
				7
2022-	09-06	1. U		as .
Date		S	ignature	