VEGAPULS 69 FF

Version, available since	Description	Device Rev.
1.2.1, 02/2018	**Error corrections:** – Instrument software, in general: – Correction of an error with activated echo curve memory (sensor re-started every 2.5 min. after a voltage interruption and outputted a fix measured value)	**2**
1.2.0, 09/2017	**Function extensions** **New functions and modifications:** – Measurement function: – Measurement function revised for instruments with 1½“ metal horn antenna – Instrument software, in general: – Optimization of the sensor start and reset times **Error corrections:** – Measurement function: – When activating the special parameter "Combine echoes", an offset was not corrected – Error removed in the "Combine echoes" algorithm – Echoes at the end of the detection range with safeties can now be detected correctly – Determination of the limitation of the detection begin revised – Measured value stability improved – Gradient failure correction improved – Instrument software, in general: – Sensor starts now also with wrong delivery status – When switching off the sensor directly after creating a gating out of false signals, it could happen that it was not completely saved – Software ruggedness improved to avoid potential crashes: – In case of low energy and active measured value and echo curve memory – In case of continuous adjustment tool enquiries during the sensor start – While reading out a full measured value memory – Measured value memory could probably not be read out when the sensor time was changed after the reocrding start – To undo a software update, it was absolutely necessary to re-start the sensor between the two updates – PLICSCOM adjustment: – Fault rectifications in the Chinese menu – The selection of the time format 24/12 hours was not translated correctly in the Spanish language – FF communication	**2**

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	– The block parameters with N-Flag were not stored correctly in the EEPROM	
1.1.0, 04/2016	**Function extensions** **New functions and modifications:** – Measurement function: – Behaviour default false signal suppression and customer false signal suppression revised: the default false signal suppression has no effect after a customer false signal suppression was created – Instrument software, in general: – Sensor delivers useful limit values (instead -99999, +99999) for the scaled measured value – PLICSCOM adjustment: – The display format can be adjusted **Error corrections:** – Measurement function: – When deleting the false signal suppression, it is also possible to enter a range [begin, end] with "Begin" larger than "End" – Change of behaviour when limiting the measurement point – Measured value correction due to echo shape revised to reduce measured value jumps with changes in the application setting – Instrument software, in general: – Error corrected when loading a corrupt delivery status – Error "Echo curve of the setup will not be deleted by a reset to basic settings or delivery status" – Start and stop condition action of the measured value and echo curve memory were recorded in the parameter change memory with the unit "ms" – Various unit conversion errors removed – PLICSCOM adjustment: – Error "X zoom of the echo curve presentation does not function correctly" corrected	**2**
1.0.0, 05/2015	**First version** **New functions:** – Measurement function: – Applications bulk solids – Measuring range 120 m – Frequency range 79 GHz – Instrument software, in general: – Device status according to NE 107 – Event memory – Measured value memory – Real time clock – PLICSCOM adjustment:	**1**

Service info plics® software versions

Version, available since	Description	Device Rev.
	– The following languages are available: – German – English – French – Spanish – Russian – Italian – Dutch – Portuguese – Czech – Polish – Turkish – Japanese – Chinese – FF communication – 3 AI function blocks available – Additional function blocks: – PID – 2 x DI Discrete Input – SC Signal Characterizer – IT Integrator – IS Input Selector – AR Arithmetic – OS Output Splitter	

Legend:

Name	Description
Version	Compatibility version.Function extension version.Error correction version
available since	Month/Year
Device Rev.	Version number of the instrument defined by HART. Consecutive integral number Will be increased if in the "Application Layer" modifications were carried out, e.g. new commands, modifications in the data structure in a command.