VEGAPULS 69 Modbus

Version, available since	Description
1.3.2, 10/2019	**Error corrections:** – Instrument software, in general: – Sensor occasionally showed F040 due to frequent Modbus communication and no longer carried out measurements
1.3.1, 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)
1.3.0, 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: – Determination of the limitation of the detection begin revised – Measured value stability improved – Gradient failure correction improved – Instrument software, in general: – 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 interferences on the supply cable – 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: – Switching over between Chinese and non-Chinese language caused wrong menu presentations
1.2.0, 02/2017	**Function extensions** **New functions and modifications:**

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	– Measurement function:
	  – Application setting "First large echo" revised
	– Instrument software, in general:
	  – Reset and sensor cycle time optimized
	– PLICSCOM adjustment:
	  – Information "First setup of PLICSCOM“ is no longer entered in the event memory
	Error corrections:
	– Measurement function:
	  – The customer false signal suppression can no longer be below the factory false signal suppression
	  – Echoes at the end of the detection range with safeties can now be detected correctly
	  – Adjustment is now reset correctly
	– Instrument software, in general:
	  – Sensor behaviour with EMC interferences improved
	  – Sensor starts now also with wrong delivery status
	  – Measured value memory can be also read out with active echo curve memory
	– PLICSCOM adjustment:
	  – The remote PLICSCOM is no longer switched off for approx. 10 s after sensor start
	  – Sensor name is now also displayed correctly in Russian language
	  – Error removed in the function "Copy instrument data": it could happen that the function is never ending
	  – Fault rectifications in the Chinese menu

1.1.0, 12/2015	**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:
	  – Additional menu languages: Japanese and Chinese
	  – 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 "permanent restart with active echo curve memory" removed

Version, available since	Description
	– 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
1.0.1, 09/2014	**Error correction of the first production version** **New functions and modifications:** – Measurement function: – Determination of the noise level – Safeties, false signal suppression increased – Switching over point close and far range optimized and hysteresis implemented – Amplitude correction STC adapted **Error corrections:** – Measurement function: – In deleted areas of the false signal suppression this import was not accepted by the sensor – Tracking and finding of echoes below the false echo memory was not possible if there was not at least one small echo outside the focussing range visible.
1.0.0, 07/2014	**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: – The following languages are available: – German – English – French – Spanish – Russian – Italian – Dutch – Portuguese – Czech – Polish – Turkish

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Legend:

Name	Description
Version	Compatibility version.Function extension version.Error correction version
available since	Month/Year