

## VEGAPULS 69 Modbus

Version, available since	Description
<b>1.3.1, 02/2018</b>	<p><b>Error corrections:</b></p> <ul style="list-style-type: none"> <li>– Instrument software, in general:                             <ul style="list-style-type: none"> <li>– 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)</li> </ul> </li> </ul>
<b>1.3.0, 09/2017</b>	<p><b>Function extensions</b></p> <p><b>New functions and modifications:</b></p> <ul style="list-style-type: none"> <li>– Measurement function:                             <ul style="list-style-type: none"> <li>– Measurement function revised for instruments with 1½“ metal horn antenna</li> </ul> </li> <li>– Instrument software, in general:                             <ul style="list-style-type: none"> <li>– Optimization of the sensor start and reset times</li> </ul> </li> </ul> <p><b>Error corrections:</b></p> <ul style="list-style-type: none"> <li>– Measurement function:                             <ul style="list-style-type: none"> <li>– Determination of the limitation of the detection begin revised</li> <li>– Measured value stability improved</li> <li>– Gradient failure correction improved</li> </ul> </li> <li>– Instrument software, in general:                             <ul style="list-style-type: none"> <li>– When switching off the sensor directly after creating a gating out of false signals, it could happen that it was not completely saved</li> <li>– Software ruggedness improved to avoid potential crashes:                                     <ul style="list-style-type: none"> <li>– in case of low energy and active measured value and echo curve memory</li> <li>– in case of interferences on the supply cable</li> <li>– in case of continuous adjustment tool enquiries during the sensor start</li> <li>– while reading out a full measured value memory</li> </ul> </li> <li>– Measured value memory could probably not be read out when the sensor time was changed after the recording start</li> <li>– To undo a software update, it was absolutely necessary to re-start the sensor between the two updates</li> </ul> </li> <li>– PLICSCOM adjustment:                             <ul style="list-style-type: none"> <li>– Switching over between Chinese and non-Chinese language caused wrong menu presentations</li> </ul> </li> </ul>
<b>1.2.0, 02/2017</b>	<p><b>Function extensions</b></p> <p><b>New functions and modifications:</b></p> <ul style="list-style-type: none"> <li>– Measurement function:                             <ul style="list-style-type: none"> <li>– Application setting "First large echo" revised</li> </ul> </li> <li>– Instrument software, in general:                             <ul style="list-style-type: none"> <li>– Reset and sensor cycle time optimized</li> </ul> </li> <li>– PLICSCOM adjustment:</li> </ul>

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	<ul style="list-style-type: none"> <li>– Information "First setup of PLICSCOM" is no longer entered in the event memory</li> </ul> <p><b>Error corrections:</b></p> <ul style="list-style-type: none"> <li>– Measurement function:                             <ul style="list-style-type: none"> <li>– The customer false signal suppression can no longer be below the factory false signal suppression</li> <li>– Echoes at the end of the detection range with safeties can now be detected correctly</li> <li>– Adjustment is now reset correctly</li> </ul> </li> <li>– Instrument software, in general:                             <ul style="list-style-type: none"> <li>– Sensor behaviour with EMC interferences improved</li> <li>– Sensor starts now also with wrong delivery status</li> <li>– Measured value memory can be also read out with active echo curve memory</li> </ul> </li> <li>– PLICSCOM adjustment:                             <ul style="list-style-type: none"> <li>– The remote PLICSCOM is no longer switched off for approx. 10 s after sensor start</li> <li>– Sensor name is now also displayed correctly in Russian language</li> <li>– Error removed in the function "Copy instrument data": it could happen that the function is never ending</li> <li>– Fault rectifications in the Chinese menu</li> </ul> </li> </ul>
<p><b>1.1.0, 12/2015</b></p>	<p><b>Function extensions</b></p> <p><b>New functions and modifications:</b></p> <ul style="list-style-type: none"> <li>– Measurement function:                             <ul style="list-style-type: none"> <li>– 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</li> </ul> </li> <li>– Instrument software, in general:                             <ul style="list-style-type: none"> <li>– Sensor delivers useful limit values (instead -99999, +99999) for the scaled measured value</li> </ul> </li> <li>– PLICSCOM adjustment:                             <ul style="list-style-type: none"> <li>– Additional menu languages: Japanese and Chinese</li> <li>– The display format can be adjusted</li> </ul> </li> </ul> <p><b>Error corrections:</b></p> <ul style="list-style-type: none"> <li>– Measurement function:                             <ul style="list-style-type: none"> <li>– When deleting the false signal suppression, it is also possible to enter a range [begin, end] with "Begin" larger than "End"</li> <li>– Change of behaviour when limiting the measurement point</li> <li>– Measured value correction due to echo shape revised to reduce measured value jumps with changes in the application setting</li> </ul> </li> <li>– Instrument software, in general:                             <ul style="list-style-type: none"> <li>– Error "permanent restart with active echo curve memory" removed</li> <li>– Error corrected when loading a corrupt delivery status</li> <li>– Error "Echo curve of the setup will not be deleted by a reset to basic settings or delivery status"</li> <li>– Start and stop condition action of the measured value and echo curve memory were recorded in the parameter change memory with the unit "ms"</li> <li>– Various unit conversion errors removed</li> </ul> </li> </ul>

Version, available since	Description
	<ul style="list-style-type: none"> <li>– PLICSCOM adjustment:                             <ul style="list-style-type: none"> <li>– Error "X zoom of the echo curve presentation does not function correctly" corrected</li> </ul> </li> </ul>
<p><b>1.0.1, 09/2014</b></p>	<p><b>Error correction of the first production version</b></p> <p><b>New functions and modifications:</b></p> <ul style="list-style-type: none"> <li>– Measurement function:                             <ul style="list-style-type: none"> <li>– Determination of the noise level</li> <li>– Safeties, false signal suppression increased</li> <li>– Switching over point close and far range optimized and hysteresis implemented</li> <li>– Amplitude correction STC adapted</li> </ul> </li> </ul> <p><b>Error corrections:</b></p> <ul style="list-style-type: none"> <li>– Measurement function:                             <ul style="list-style-type: none"> <li>– In deleted areas of the false signal suppression this import was not accepted by the sensor</li> <li>– 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.</li> </ul> </li> </ul>
<p><b>1.0.0, 07/2014</b></p>	<p><b>First version</b></p> <p><b>New functions:</b></p> <ul style="list-style-type: none"> <li>– Measurement function:                             <ul style="list-style-type: none"> <li>– Applications bulk solids</li> <li>– Measuring range 120 m</li> <li>– Frequency range 79 GHz</li> </ul> </li> <li>– Instrument software, in general:                             <ul style="list-style-type: none"> <li>– Device status according to NE 107</li> <li>– Event memory</li> <li>– Measured value memory</li> <li>– Real time clock</li> </ul> </li> <li>– PLICSCOM adjustment:                             <ul style="list-style-type: none"> <li>– The following languages are available:                                     <ul style="list-style-type: none"> <li>– German</li> <li>– English</li> <li>– French</li> <li>– Spanish</li> <li>– Russian</li> <li>– Italian</li> <li>– Dutch</li> <li>– Portuguese</li> <li>– Czech</li> <li>– Polish</li> <li>– Turkish</li> </ul> </li> </ul> </li> </ul>

**Legend:**

## Service info plics<sup>®</sup> software versions



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