

## VEGAPULS 11 two-wire 4 ... 20 mA

Version, available since	Description
<b>1.2.2,</b> <b>12/2022</b>	<b>Error corrections:</b> <ul style="list-style-type: none"> <li>- Support alternative D/A converter on current output</li> <li>- Bluetooth communication:                             <ul style="list-style-type: none"> <li>o Sensor now allows up to 5 simultaneous connections (but only one communicating VVO)</li> </ul> </li> </ul>
<b>1.2.1,</b> <b>05/2021</b>	<b>Error corrections:</b> <ul style="list-style-type: none"> <li>- Measurement function:                             <ul style="list-style-type: none"> <li>- Error in the close range in the application "Bulk solids" corrected</li> <li>- Extending the additional safety at the end of the measuring range in the "stormwater overflow basin" application to 8 m</li> </ul> </li> <li>- Bluetooth communication:                             <ul style="list-style-type: none"> <li>- Sensor now allows up to 5 simultaneous connections (but only one communicating VVO)</li> </ul> </li> </ul>
<b>1.2.0,</b> <b>09/2020</b>	<b>New functions:</b> <ul style="list-style-type: none"> <li>- Measurement function:                             <ul style="list-style-type: none"> <li>- Extensions for international radio approvals</li> <li>- Increased accuracy of the first measured value</li> </ul> </li> <li>- Bluetooth communication:                             <ul style="list-style-type: none"> <li>- Additional encryption of data transmitted via Bluetooth</li> </ul> </li> </ul> <b>Error corrections:</b> <ul style="list-style-type: none"> <li>- Instrument software, in general:                             <ul style="list-style-type: none"> <li>- The scaling unit "torr" could not be set</li> </ul> </li> </ul>
<b>1.1.0,</b> <b>01/2020</b>	<b>First sales version</b> <b>New functions:</b> <ul style="list-style-type: none"> <li>- Measurement function:                             <ul style="list-style-type: none"> <li>- Linearization data of the adjustment tools are stored in the sensor, so that they are later available to the adjustment tools again</li> <li>- Negative adjustment values can be set</li> <li>- The adjustment determines now the vessel height</li> <li>- Settings of the application "Pump station" optimized</li> <li>- Default time for error message in case of echo loss set to 15 s (instead of 60 s)</li> <li>- Refined display of the echo curves</li> <li>- Various improvements in signal processing based on experience from field tests</li> </ul> </li> </ul>

## Overview of the software versions

Version, available since	Description
	<ul style="list-style-type: none"> <li>– Instrument software, in general:               <ul style="list-style-type: none"> <li>– A maintenance requirement message "Inconsistent software configuration" is displayed if the main and Bluetooth controller software do not match</li> <li>– Bluetooth software is transmitted in compressed form during a software update</li> </ul> </li>   <li>– During the update of the Bluetooth software, a maintenance requirement message "Software update in progress" is displayed</li> <li>– The Power Management was optimized</li> </ul> <p><b>Error corrections:</b></p> <ul style="list-style-type: none"> <li>– Measurement function:               <ul style="list-style-type: none"> <li>– Configuration option for unsupported linearization curves has been removed</li> <li>– Current electronics temperature could be higher (or lower) than the maximum (or minimum) peak value</li> </ul> </li> <li>– Instrument software, in general:               <ul style="list-style-type: none"> <li>– Safety of the access protection procedure was increased</li> </ul> </li> <li>– Bluetooth communication:               <ul style="list-style-type: none"> <li>– Security of the authentication procedure was increased</li> </ul> </li> </ul>
<b>1.0.0, 05/2019</b>	<b>Pilot series</b>

### Legend:

Name	Description
Version	xx.yy.zz xx: Compatibility version. Will be increased when the compatibility to the previous version is no longer given. Value range 0 ... 99. yy: Function extension version. Will be increased when new functions or function changes were carried out on the previous version. Also errors can have been corrected with a function change. Value range 0 ... 99. zz: Error correction version. Will be increased when only errors were corrected on the previous version. Value range 0 ... 99.
available since	Month/Year