VEGA

VEGAPULS C 2x Modbus

Version, available since	Description

1.2.1, 09/2021	**Error corrections:**
	
	– Measurement function:
	    – Error in the close range in the application "Bulk solids" corrected
	    – Extending the additional safety at the end of the measuring range in the "stormwater overflow basin" application to 8 m
	
	– Bluetooth communication:
	    – Sensor now allows up to 5 simultaneous connections (but only one communicating VVO)
	
	– Modbus communication:
	    – Failures of Modbus communication corrected
	    – Filling height can be queried via Modbus commands
	    – Installation height can be configured via Modbus commands

1.2.0, 09/2020	**New functions:**
	
	– Measurement function:
	    – Extensions for international radio approvals
	    – Increased accuracy of the first measured value
	
	– Bluetooth communication:
	    – Additional encryption of data transmitted via Bluetooth
	
	– Modbus communication:
	    – Distance and temperature unit, adjustment and application can be configured via Modbus commands
	    – Serial number, device status, echo level, NAMUR status, distance value and measurement reliability can be queried via Modbus commands

1.1.0, 01/2020	**First sales version**
	New functions:
	
	– Measurement function:
	    – Linearization data of the adjustment tools are stored in the sensor, so that they are later available to the adjustment tools again
	    – Negative adjustment values can be set
	    – The adjustment determines now the vessel height
	    – Settings of the application "Pump station" optimized
	    – Default time for error message in case of echo loss set to 15 s (instead of 60 s)
	    – Refined display of the echo curves
	    – Various improvements in signal processing based on experience from field tests

Overview of the software versions

Version, available since	Description
	- Instrument software, in general: - A maintenance requirement message "Inconsistent software configuration" is displayed if the main and Bluetooth controller software do not match - Bluetooth software is transmitted in compressed form during a software update - During the update of the Bluetooth software, a maintenance requirement message "Software update in progress" is displayed - The Power Management was optimized **Error corrections:** - Measurement function: - Configuration option for unsupported linearization curves has been removed - Current electronics temperature could be higher (or lower) than the maximum (or minimum) peak value - Instrument software, in general: - Safety of the access protection procedure was increased - Bluetooth communication: - Security of the authentication procedure was increased - Modbus communication: - Incoming telegrams were lost sporadically
1.0.0, 08/2019	**Pilot series**

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
Device Rev.	Version number of the instrument defined by Fieldbus. 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.