

VEGAPULS 21 - 31 HART

Version, available since	Description	Device Rev.
1.2.0, 09/2020	<p>New functions:</p> <ul style="list-style-type: none"> – Measurement function: <ul style="list-style-type: none"> – Extensions for international radio approvals – Increased accuracy of the first measured value – Bluetooth communication: <ul style="list-style-type: none"> – Additional encryption of data transmitted via Bluetooth – On-site adjustment: <ul style="list-style-type: none"> – Support of the Japanese language <p>Error corrections:</p> <ul style="list-style-type: none"> – Instrument software, in general: <ul style="list-style-type: none"> – The scaling unit "torr" could not be set – The first attempt to release the operation with the DTM or the app was aborted with an error, a second attempt released the operation successfully – HART communication: <ul style="list-style-type: none"> – After changing the HART address with HART command 6, the sensor may stop measuring and restart after 2 minutes – The bit "More Status Available" in command 48 was not set if an error, maintenance request, out of specification or function control message was reset – On-site adjustment: <ul style="list-style-type: none"> – If an update of the software of the on-site display was interrupted by a power failure, the on-site display permanently showed "Software update in progress" after a restart – No message was displayed on the on-site display during the programming of a new software – The unsupported application "Reactor tank" was set if the application "Agitator tank" was selected – On the on-site display, the first digit in the measured value image was not deleted if the device unit "ft" was used and the measured value jumped from a value ≥ 10.00 ft to a value < 10.00 ft 	2
1.1.0, 01/2020	<p>First sales version</p> <p>New functions:</p> <ul style="list-style-type: none"> – Measurement function: <ul style="list-style-type: none"> – 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 	1

Overview of the software versions

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	<ul style="list-style-type: none"> - 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 <p>- Instrument software, in general:</p> <ul style="list-style-type: none"> - A maintenance requirement message "Inconsistent software configuration" is displayed if the main, Bluetooth and display controller software do not match - Bluetooth and displaysoftware is transmitted in compressed form during a software update - During the update of the Bluetooth and display software, a maintenance requirement message "Software update in progress" is displayed - The Power Management was optimized <p>- On-site adjustment:</p> <ul style="list-style-type: none"> - Chinese and Russian languages are supported - Measurement reliability is available as display value - Distance value is displayed as default value in the measured value image (instead of filling height) <p>Error corrections:</p> <ul style="list-style-type: none"> - Measurement function: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - Sensor did not start reliably at low voltage (12 V) and high temperatures (from 60 °C) - Safety of the access protection procedure was increased - Bluetooth communication: <ul style="list-style-type: none"> - Security of the authentication procedure was increased - HART communication: <ul style="list-style-type: none"> - Error code mapping in command #48 was wrong - On-site adjustment: <ul style="list-style-type: none"> - A fault image was briefly displayed during the start - Display update when editing numbers was revised - Unit "kg/s" could not be selected as flow unit - Sensor-TAG was abbreviated incorrectly if it could not be displayed completely 	
1.0.0,	Pilot series	1

Overview of the software versions

Version, available since	Description	Device Rev.
05/2019		

Legend:

Name	Description
Version	<p>xx.yy.zz</p> <p>xx: Compatibility version. Will be increased when the compatibility to the previous version is no longer given. Value range 0 ... 99.</p> <p>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.</p> <p>zz: Error correction version. Will be increased when only errors were corrected on the previous version. Value range 0 ... 99.</p>
available since	Month/Year
Device Rev.	<p>Version number of the instrument defined by Fieldbus.</p> <p>Consecutive integral number</p> <p>Will be increased if in the "Application Layer" modifications were carried out, e.g. new commands, modifications in the data structure in a command.</p>