

VEGAPULS C 21, C 22, C 23 with SDI-12

PM Information 31/2023

Area: Worldwide Europe Asia America _____

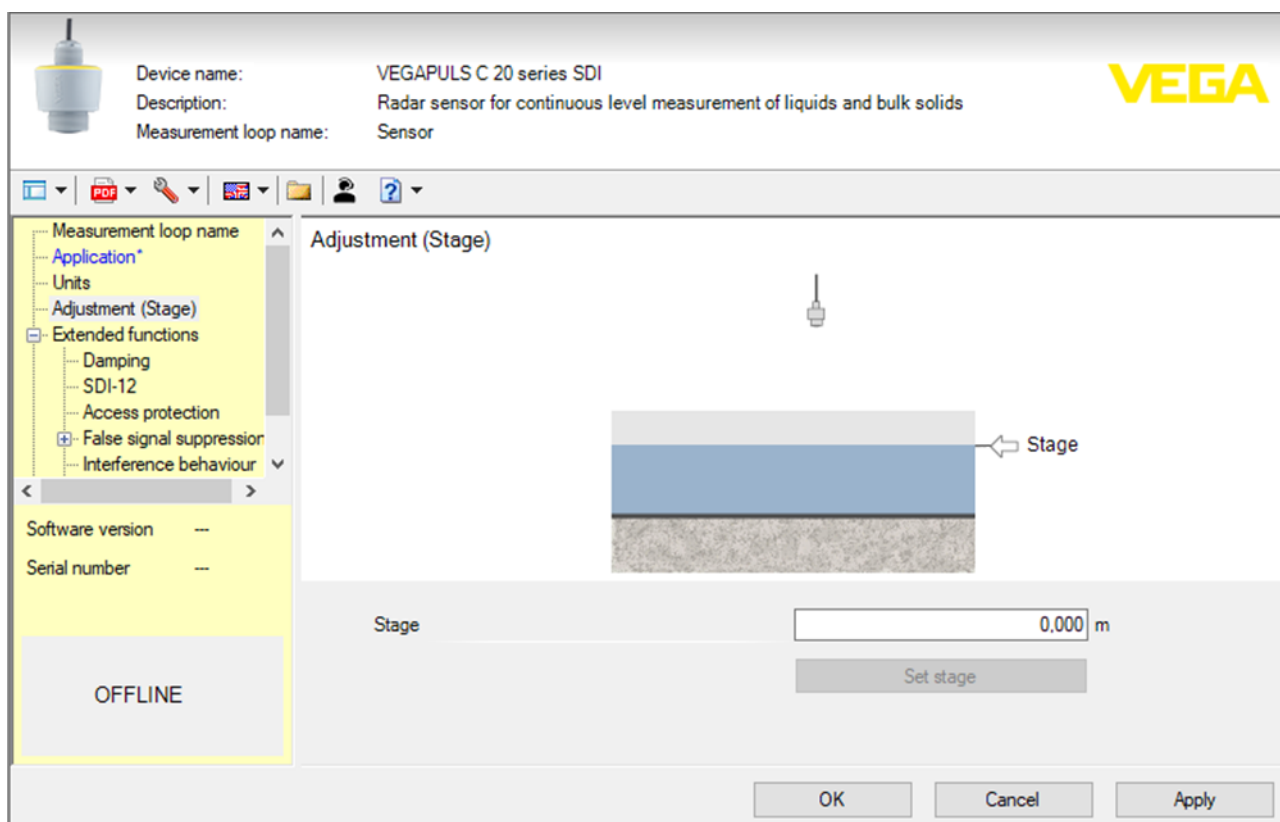
Category: Market introduction Safety
 Function extension Fault rectification
 Approval General information
 Delivery situation

Summary: Modification of the adjustment "Stage" for VEGAPULS C 21, C 22 and C 23 with SDI-12 communication and adaptation of the sensor software to version 1.3.1

Reason:

In hydrometry applications, it is common to adjust the sensors by referencing the current level of the river or lake (commonly known as Stage Height). Previously VEGA made the adjustment for this type of measurement using the familiar pair of distance values (A and B points), which often led to misunderstandings.

The measured value output corresponds to the current water level (the Stage) at the measuring point.



The entry of the stage height can be a positive or negative value.

Since communication via SDI-12 is only used in hydrometry for gauge measurement, other applications (like reactor, dosing vessel, etc...) have been removed from the adjustment software for SDI-12 sensors.

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This functionality is in sensor software version 1.3.1. It is possible to update existing sensors to 1.3.1 in order to have this functionality.

Customer benefit:

- Adjustment of SDI-12 sensors as usual for hydrometry
- Gauge values related to any reference, e. g. sea level, are possible without restriction.
- Significant simplification of the adjustment, as non-hydrometry applications have been removed.

Additional information:

This functionality is only available for radar sensors with software version 1.3.1 or higher. Sensors with this software version will be delivered starting at the end of October/beginning of November. The elevation relative to sea level of Schiltach, 330 m, was selected as the default value for the delivery status, as 0 m could possibly lead to misunderstandings.

The DTM as well as the app automatically recognize which software is involved and provide the corresponding adjustment options.

Schiltach, 25. October 2023
Product management Level/cl