

## VEGABAR 80 4 ... 20 mA – Software history

Version, available since	Description
1.3.7, 04/2022	<b>Error corrections:</b> <ul style="list-style-type: none"> <li>- Instrument software, in general:               <ul style="list-style-type: none"> <li>- Support of alternative internal memory chips</li> </ul> </li> </ul>
1.3.6, 10/2021	<b>New functions and modifications:</b> <ul style="list-style-type: none"> <li>- Measurement function:               <ul style="list-style-type: none"> <li>- In the "Density-compensated level measurement" application, the sensor goes into fault as soon as the calculated density is outside the configured limits</li> <li>- In the "Density-compensated level measurement" application, the default value for the "upper sensor covered" threshold is 20 mbar</li> <li>- In the "Density-compensated level measurement" application, the integration time also affects the calculated density</li> <li>- In the application of electronic differential pressure, the reaction time of VEGABAR 82 and VEGABAR 83 was adjusted.</li> </ul> </li> <li>- PLICSCOM adjustment:               <ul style="list-style-type: none"> <li>- Master and Slave terms removed</li> </ul> </li> </ul> <b>Error corrections:</b> <ul style="list-style-type: none"> <li>- Measurement function:               <ul style="list-style-type: none"> <li>- To compensate for thermoshock, both temperature sensors are approximated by integration in the event of a drift.</li> </ul> </li> </ul>
1.3.5, 03/2020	<b>Error correction:</b> <ul style="list-style-type: none"> <li>- Measurement function:               <ul style="list-style-type: none"> <li>- Switching off the thermoshock compensation from temperatures of more than 100 °C or less than 0 °C</li> </ul> </li> <li>- PLICSCOM adjustment:               <ul style="list-style-type: none"> <li>- Depending on the units set, the limit values in the position correction menus were displayed incorrectly</li> </ul> </li> </ul>
1.3.3, 09/2018	<b>Error correction:</b> <ul style="list-style-type: none"> <li>- Measurement function:               <ul style="list-style-type: none"> <li>- In the climate-compensated version, the absolute pressure was outputted instead of the relative pressure</li> <li>- Optimized thermoshock compensation for 400 mbar measuring cells with double seal</li> </ul> </li> <li>- Instrument software, in general:               <ul style="list-style-type: none"> <li>- The pointers were not updated and provided invalid values</li> </ul> </li> </ul>
1.3.2, 12/2017	<b>Modifications:</b> <ul style="list-style-type: none"> <li>- Instrument software, in general:               <ul style="list-style-type: none"> <li>- Optimization of the sensor start and reset times</li> </ul> </li> </ul>

Version, available since	Description
	<p><b>Error correction:</b></p> <ul style="list-style-type: none"> <li>- Instrument software, in general:           <ul style="list-style-type: none"> <li>- Despite high voltage supply, the run up time was 20 seconds instead of 9 seconds</li> <li>- With an overpressure existing for a longer time (error status F013) the sensor started sporadically new</li> <li>- Continuous adjustment tool enquiries during the sensor start partly caused new starts</li> <li>- With an invalid measured value in the start ohphase, a valid current value was briefly outputted</li> <li>- With the first setup of a spare electronics, the customer-specific adjustment was reset</li> </ul> </li> <li>- PLICSCOM adjustment:           <ul style="list-style-type: none"> <li>- Various error corrections in the Chinese menu</li> </ul> </li> </ul>
<p><b>1.3.0, 11/2016</b></p>	<p><b>Extensions and error correction of the second production version</b></p> <p><b>New functions and modifications:</b></p> <ul style="list-style-type: none"> <li>- Instrument software, in general:           <ul style="list-style-type: none"> <li>- With scaled measured value, the sensor delivers the correct standard values (0 ... 100.0)</li> </ul> </li> <li>- PLICSCOM adjustment:           <ul style="list-style-type: none"> <li>- Quicker display of the measured value after a restart of the sensor or attaching PLICSCOM (the instrument version is no longer displayed)</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>- The jump response time was optimized</li> <li>- During the customer adjustment to the adjustment limits, the sensor display failure (F261 - 12017) after a restart</li> <li>- An adjustment span <math>\leq 1</math> mbar could not be adjusted</li> <li>- The sensor did not output a message "Value out of specification" although the pressure value was outside the limits</li> <li>- When the scaled measured value was a pressure unit, then wrong standard values were assigned to the current output.</li> </ul> </li> <li>- Instrument software, in general:           <ul style="list-style-type: none"> <li>- In the start phase, the measuring cell electronics as switched off and on again after a few seconds</li> <li>- In the start phase, PLICSCOM was switched off for several seconds</li> <li>- Sensor did not start with wrong delivery status</li> <li>- A reset to basic settings in error status F041 (no communication with the measuring cell electronics) was setting the adjustment to 0 ... 1 bar (the adjustment remains at 0 ... 1 bar, even if the communication with the measuring cell electronics was restored)</li> <li>- A reset to delivery status did not reset the physical unit</li> <li>- With the first setup of a spare electronics, the customer-specific adjustment was reset</li> <li>- After a reset to delivery status, the spare electronics with customer-specific adjustment switched to error status F261-12015</li> <li>- With VEGABAR 83 the sensor temperature peak value indicator sporadically stored impermissible values</li> </ul> </li> <li>- PLICSCOM adjustment:</li> </ul>

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	<ul style="list-style-type: none"> <li>– For special parameter 7 (source of the measuring cell temperature) an empty field was displayed in the DTM with VEGABAR 83 and VEGABAR 82 with MiniCERTEC®</li> <li>– In the menu "Min. adjustment", the max. adjustable value of the max. adjustment was displayed (on the bar graph) as max. adjustable value</li> <li>– The special parameters 8 (activate thermo-shock suppression Master) and 9 (activate thermo-shock suppression Slave ) were not be taken into account in the function "Copy instrument settings"</li> <li>– The displayed measured value was still flashing in the 3. measured value image even if the value could be displayed again</li> <li>– Sensor name was not displayed correctly in Russian language</li> </ul>
<b>1.2.2, 10/2015</b>	<b>Error corrections</b> <ul style="list-style-type: none"> <li>– Instrument software, in general: <ul style="list-style-type: none"> <li>– The second current output did not function and outputted permanently interference current</li> </ul> </li> </ul>
<b>1.2.1, 09/2015</b>	<b>Error corrections</b> <ul style="list-style-type: none"> <li>– Measurement function: <ul style="list-style-type: none"> <li>– The measuring cell temperature is available again with VEGABAR 81, VEGABAR 82 with MiniCERTEC® and VEGABAR 83</li> </ul> </li> <li>– PLICSCOM adjustment: <ul style="list-style-type: none"> <li>– It is now possible to switch on or switch off the thermoshock temperature also in PLICSCOM (via special parameter)</li> </ul> </li> </ul>
<b>1.2.0, 06/2015</b>	<b>Extensions and error correction of the first production version</b> <b>New functions and modifications:</b> <ul style="list-style-type: none"> <li>– Measurement function: <ul style="list-style-type: none"> <li>– Configurable adjustment limits for OEMs, depending on measuring range</li> <li>– Optimization of the starting time (time until the first measured value is outputted on the current output)</li> </ul> </li> <li>– PLICSCOM adjustment: <ul style="list-style-type: none"> <li>– Additional menu languages: Japanese and Chinese</li> <li>– Variable positions after the decimal point for the display value</li> <li>– Enquiry of the language setting when switching on the sensor for the first time</li> <li>– Lighting standard setting switched on</li> </ul> </li> </ul> <b>Error corrections:</b> <ul style="list-style-type: none"> <li>– Measurement function: <ul style="list-style-type: none"> <li>– In the application level measurement, the adjustment in "m" does not change, also when entering a new density</li> <li>– Revision CERTEC® thermoshock compensation algorithm</li> </ul> </li> <li>– Instrument software, in general: <ul style="list-style-type: none"> <li>– Simulation functions also without connected measuring cell (sensor in error status F041)</li> <li>– The resistance temperature (instead of the diode temperature) is displayed with connected CERTEC® measuring cell</li> <li>– Reset basic adjustments no longer rests the Device name</li> <li>– Reset delivery status resets the units</li> </ul> </li> </ul>

Version, available since	Description
	<ul style="list-style-type: none"> <li>- Device settings will be completely copied from PLICSCOM (settings for the user-defined unit and the adjustment were not copied)</li> <li>- Optimization Power Management</li> <li>- PLICSCOM adjustment:               <ul style="list-style-type: none"> <li>- Various error corrections</li> </ul> </li> </ul>
<b>1.1.2, 12/2014</b>	<b>Error corrections:</b> <ul style="list-style-type: none"> <li>- Measurement function:               <ul style="list-style-type: none"> <li>- VEGABAR 81 and VEGABAR 83 - Temperature errors with the pressure value are now compensated correctly</li> </ul> </li> </ul>
<b>1.1.0, 8/2014</b>	<b>Function extensions</b> <b>New functions and modifications:</b> <ul style="list-style-type: none"> <li>- Measurement function:               <ul style="list-style-type: none"> <li>- Thermoshock compensation also for small front-flush process fittings</li> <li>- Simulation of all measured values is also possible when the instrument is in fault state (previously it was only possible to simulate the current)</li> </ul> </li> <li>- Instrument software, in general:               <ul style="list-style-type: none"> <li>- New procedure for locking the adjustment: PIN can be modified by the user when locking the instrument</li> <li>- Interference current "&gt; 21 mA" increased from 21.5 mA to 21.7 mA</li> </ul> </li> <li>- PLICSCOM adjustment:               <ul style="list-style-type: none"> <li>- Lighting switched on by default</li> </ul> </li> </ul> <b>Error corrections:</b> <ul style="list-style-type: none"> <li>- Measurement function:               <ul style="list-style-type: none"> <li>- Reset Basic adjustments comprises now also applications, position correction, totalizer, unit and time until triggering the alarm message</li> <li>- Error during the conversion of the units removed in the current adjustment</li> <li>- Several bug fixes</li> </ul> </li> <li>- Instrument software, in general:               <ul style="list-style-type: none"> <li>- The Device Name must no be reset through a reset Basic adjustments</li> <li>- Software update was not reliably possible with little energy, now up to 7.35 V</li> </ul> </li> <li>- PLICSCOM adjustment:               <ul style="list-style-type: none"> <li>- Various fault rectifications in the menu</li> <li>- The reset basic adjustments does not reset the language</li> </ul> </li> </ul>
<b>1.0.0, 12/2013</b>	<b>First version</b>

Version, available since	Description
	<p><b>New functions and modifications relating to VEGABAR 50:</b></p> <ul style="list-style-type: none"> <li>– Measurement function:           <ul style="list-style-type: none"> <li>– Increased accuracy</li> <li>– Quicker reaction time</li> <li>– Extension with application parameter adjustment</li> <li>– Thermoshock compensation</li> <li>– Measured values can be configured for the current output</li> </ul> </li> <li>– Instrument software, in general:           <ul style="list-style-type: none"> <li>– Lower supply voltages possible</li> <li>– Device status according to NE 107</li> </ul> </li> <li>– PLICSCOM adjustment:           <ul style="list-style-type: none"> <li>– Modification of the menu structure</li> <li>– Modification of the layout with value changes</li> <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> </ul> </li> </ul> </li> </ul>

**Legend:**

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