

VEGABAR 80 4 ... 20 mA – Software history

Version, available since	Description
1.3.6, 10/2021	<p>New functions and modifications:</p> <ul style="list-style-type: none"> - Measurement function: <ul style="list-style-type: none"> - In the "Density-compensated level measurement" application, the sensor goes into fault as soon as the calculated density is outside the configured limits - In the "Density-compensated level measurement" application, the default value for the "upper sensor covered" threshold is 20 mbar - In the "Density-compensated level measurement" application, the integration time also affects the calculated density - In the application of electronic differential pressure, the reaction time of VEGABAR 82 and VEGABAR 83 was adjusted. - PLICSCOM adjustment: <ul style="list-style-type: none"> - Master and Slave terms removed <p>Error corrections:</p> <ul style="list-style-type: none"> - Measurement function: <ul style="list-style-type: none"> - To compensate for thermoshock, both temperature sensors are approximated by integration in the event of a drift.
1.3.5, 03/2020	<p>Error correction:</p> <ul style="list-style-type: none"> - Measurement function: <ul style="list-style-type: none"> - Switching off the thermoshock compensation from temperatures of more than 100 °C or less than 0 °C - PLICSCOM adjustment: <ul style="list-style-type: none"> - Depending on the units set, the limit values in the position correction menus were displayed incorrectly
1.3.3, 09/2018	<p>Error correction:</p> <ul style="list-style-type: none"> - Measurement function: <ul style="list-style-type: none"> - In the climate-compensated version, the absolute pressure was outputted instead of the relative pressure - Optimized thermoshock compensation for 400 mbar measuring cells with double seal - Instrument software, in general: <ul style="list-style-type: none"> - The pointers were not updated and provided invalid values
1.3.2, 12/2017	<p>Modifications:</p> <ul style="list-style-type: none"> - Instrument software, in general: <ul style="list-style-type: none"> - Optimization of the sensor start and reset times <p>Error correction:</p> <ul style="list-style-type: none"> - Instrument software, in general: <ul style="list-style-type: none"> - Despite high voltage supply, the run up time was 20 seconds instead of 9 seconds - With an overpressure existing for a longer time (error status F013) the sensor started sporadically new

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	<ul style="list-style-type: none"> - Continuous adjustment tool enquiries during the sensor start partly caused new starts - With an invalid measured value in the start ohpase, a valid current value was briefly outputted - With the first setup of a spare electronics, the customer-specific adjustment was reset - PLICSCOM adjustment: <ul style="list-style-type: none"> - Various error corrections in the Chinese menu
1.3.0, 11/2016	<p>Extensions and error correction of the second production version</p> <p>New functions and modifications:</p> <ul style="list-style-type: none"> - Instrument software, in general: <ul style="list-style-type: none"> - With scaled measured value, the sensor delivers the correct standard values (0 ... 100.0) - PLICSCOM adjustment: <ul style="list-style-type: none"> - Quicker display of the measured value after a restart of the sensor or attaching PLICSCOM (the instrument version is no longer displayed) <p>Error corrections:</p> <ul style="list-style-type: none"> - Measurement function: <ul style="list-style-type: none"> - The jump response time was optimized - During the customer adjustment to the adjustment limits, the sensor display failure (F261 - 12017) after a restart - An adjustment span ≤ 1 mbar could not be adjusted - The sensor did not output a message "Value out of specification" although the pressure value was outside the limits - When the scaled measured value was a pressure unit, then wrong standard values were assigned to the current output. - Instrument software, in general: <ul style="list-style-type: none"> - In the start phase, the measuring cell electronics as switched off and on again after a few seconds - In the start phase, PLICSCOM was switched off for several seconds - Sensor did not start with wrong delivery status - 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) - A reset to delivery status did not reset the physical unit - With the first setup of a spare electronics, the customer-specific adjustment was reset - After a reset to delivery status, the spare electronics with customer-specific adjustment switched to error status F261-12015 - With VEGABAR 83 the sensor temperature peak value indicator sporadically stored impermissible values - PLICSCOM adjustment: <ul style="list-style-type: none"> - 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® - In the menu "Min. adjustment", the max. adjustable value of the max. adjustment was displayed (on the bar graph) as max. adjustable value - 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"

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

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1.1.2, 12/2014	Error corrections: <ul style="list-style-type: none"> – Measurement function: <ul style="list-style-type: none"> – VEGABAR 81 and VEGABAR 83 - Temperature errors with the pressure value are now compensated correctly
1.1.0, 8/2014	Function extensions New functions and modifications: <ul style="list-style-type: none"> – Measurement function: <ul style="list-style-type: none"> – Thermoshock compensation also for small front-flush process fittings – Simulation of all measured values is also possible when the instrument is in fault state (previously it was only possible to simulate the current) – Instrument software, in general: <ul style="list-style-type: none"> – New procedure for locking the adjustment: PIN can be modified by the user when locking the instrument – Interference current "> 21 mA" increased from 21.5 mA to 21.7 mA – PLICSCOM adjustment: <ul style="list-style-type: none"> – Lighting switched on by default Error corrections: <ul style="list-style-type: none"> – Measurement function: <ul style="list-style-type: none"> – Reset Basic adjustments comprises now also applications, position correction, totalizer, unit and time until triggering the alarm message – Error during the conversion of the units removed in the current adjustment – Several bug fixes – Instrument software, in general: <ul style="list-style-type: none"> – The Device Name must no be reset through a reset Basic adjustments – Software update was not reliably possible with little energy, now up to 7.35 V – PLICSCOM adjustment: <ul style="list-style-type: none"> – Various fault rectifications in the menu – The reset basic adjustments does not reset the language
1.0.0, 12/2013	First version New functions and modifications relating to VEGABAR 50: <ul style="list-style-type: none"> – Measurement function: <ul style="list-style-type: none"> – Increased accuracy – Quicker reaction time – Extension with application parameter adjustment – Thermoshock compensation – Measured values can be configured for the current output – Instrument software, in general: <ul style="list-style-type: none"> – Lower supply voltages possible – Device status according to NE 107 – PLICSCOM adjustment: <ul style="list-style-type: none"> – Modification of the menu structure – Modification of the layout with value changes

Version, available since	Description
	<ul style="list-style-type: none"> - The following languages are available: <ul style="list-style-type: none"> - German - English - French - Spanish - Russian - Italian - Dutch - Portuguese

Legend:

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