VEGABAR 80 Modbus – Software history

Version, available since	Description
1.3.7, 04/2022	**Error corrections:** - Instrument software, in general: - Support of alternative internal memory chips

1.3.6, 10/2021	**New functions and modifications:**
	- Measurement function:
	  - 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:
	  - Master and Slave terms removed
	Error corrections:
	- Measurement function:
	  - To compensate for thermoshock, both temperature sensors are approximated by integration in the event of a drift.

1.3.5, 03/2020	**Error correction:**
	– Measurement function:
	  – Switching off the thermoshock compensation from temperatures of more than 100 °C or less than 0 °C
	– PLICSCOM adjustment:
	  - Depending on the units set, the limit values in the position correction menus were displayed incorrectly

1.3.3, 09/2018	**Error correction:**
	– Measurement function:
	  – 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

1.3.2, 12/2017	**Modifications:** – Instrument software, in general: – Optimization of the sensor start and reset times **Error correction:** – Instrument software, in general:

Version, available since	Description
	– With an overpressure exisiting for a longer time (error status F013) the sensor started sporadically new – 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: – Various error corrections in the Chinese menu
1.3.0, 11/2016	**Extensions and error correction of the second production version** **New functions and modifications:** – Instrument software, in general: – With scaled measured value, the sensor delivers the correct standard values (0 … 100.0) – PLICSCOM adjustment: – Quicker display of the measured value after a restart of the sensor or attaching PLICSCOM (the instrument version is no longer displayed) **Error corrections:** – Measurement function: – 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: – 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 – An automatic offset correction was not entered in the parameter change memory – 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: – 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®

Version, available since	Description
	– 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 parameter 8 (activate thermo-shock suppression Master) was not taken into account in the function "Copy instrument settings“ – The displayed measured value was still flashing in the 3. measured value image even if the value could be displayed again – The selection of the time format 24/12 hours was not translated correctly in the Spanish language – Sensor name was not displayed correctly in Russian language – The first setup of the adjustment caused a wrong entry in the parameter change memory
1.2.2, 10/2015	**Error corrections** – Instrument software, in general: – The second current output did not function and outputted permanently interference current
1.2.1, 09/2015	**Error corrections** – Measurement function: – The measuring cell temperature is available again with VEGABAR 81, VEGABAR 82 with MiniCERTEC® and VEGABAR 83 – PLICSCOM adjustment: – 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:** – Measurement function: – 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: – 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:** – Measurement function: – 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: – 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 – Measured value memory standard setting switched on with 10 seconds

Version, available since	Description
	– Reset basic adjustments no longer rests 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) – Error when storing the switching off times removed (possibly the time stamp of the last entry in the event memory could be later than the time event of the switching off event) – Optimization Power Management – PLICSCOM adjustment: – Various error corrections
1.1.2, 12/2014	**Error corrections:** – Measurement function: – VEGABAR 81 and VEGABAR 83 - Temperature errors with the pressure value are now compensated correctly
1.1.1, 10/2014	**Error corrections:** – Instrument software, in general: – Modbus communication did not function
1.1.0, 8/2014	**Function extensions** **New functions and modifications:** – Measurement function: – 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: – New procedure for locking the adjustment: PIN can be modified by the user when locking the instrument – PLICSCOM adjustment: – Lighting switched on by default **Error corrections:** – Measurement function: – 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: – 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: – Various fault rectifications in the menu – The reset basic adjustments does not reset the language
1.3.2,	**First version**

Version, available since	Description
06/2018	**New functions and modifications relating to VEGABAR 50:** – Measurement function: – Increased accuracy – Quicker reaction time – Extension with application parameter adjustment – Thermoshock compensation – Instrument software, in general: – Lower supply voltages possible – Device status according to NE 107 – Event memory added – Function extension for the measured value memory – Real time clock added – PLICSCOM adjustment: – Modification of the menu structure – Modification of the layout with value changes – The following languages are available: – German – English – French – Spanish – Russian – Italian – Dutch – Portuguese

Legend:

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