

## VEGAMET 391

Version, available since	Description
<p><b>1.60.0, 02/2016</b></p>	<p><b>New functions:</b></p> <ul style="list-style-type: none"> <li>- Input:                             <ul style="list-style-type: none"> <li>• For VEGA HART sensors, selection of the HART variables as sensor value possible</li> </ul> </li> <li>- Relay outputs:                             <ul style="list-style-type: none"> <li>• Default settings of relays modified: Rel. 1 is assigned with mode overflow protection, Rel. 2...5 are deactivated, Rel. 6 is activated as fail safe relay</li> <li>• Relay can be activated/deactivated via menu</li> <li>• Pump control with new options:                                     <ul style="list-style-type: none"> <li>• Sequenced/Alternating pump operation</li> <li>• Dry weather pump</li> <li>• Bandwidth for switching points</li> <li>• Counter for switch-on processes of the relays</li> </ul> </li> </ul> </li> <li>- Signal conditioning:                             <ul style="list-style-type: none"> <li>• Display unit m(d) replaced by m</li> <li>• 2. Totalizer can be activated for flow volume measurement</li> </ul> </li> <li>- VEGA Inventory System:                             <ul style="list-style-type: none"> <li>• Presentation of the SIM-ID / Location data on HTML page (only valid in conjunction with LUCOM-Router)</li> <li>• Transmission of the SIM-ID / Location data (only valid in conjunction with LUCOM-Router)</li> <li>• Order list VIS: Transmitting interval can be changed via VIS surface</li> <li>• Encrypted data transmission by means of TLS/PSK procedure to VEGA Inventory System</li> <li>• Snapshot memory (measured values given later to the VEGA Inventory System) can be deleted via the website index1.htm</li> </ul> </li> <li>- Ethernet interface:                             <ul style="list-style-type: none"> <li>• Encrypted data transmission via Ethernet interface by means of TLS/PSK procedure to DTM</li> <li>• Websites revised (Log files can be opened via index.htm, adjustment blocked via index1.htm page)</li> <li>• Telnet access blocked by default</li> <li>• Telnet, VEGA-ASCII and Modbus TCP can be blocked or released via website index1.htm</li> <li>• Safety update SSL / TLS-Stack</li> </ul> </li> </ul> <p><b>Error corrections:</b></p> <ul style="list-style-type: none"> <li>- Serial number &gt;16777215 of VEGA HART sensors correctly displayed</li> </ul>

## Overview of software versions

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	<ul style="list-style-type: none"> <li>– Various translations corrected in the menu</li> <li>– Deactivation of the PIN removed after voltage loss (activated PIN was no longer effective after voltage loss)</li> </ul>
<b>1.40.0, 07/2014</b>	<p><b>New functions:</b></p> <ul style="list-style-type: none"> <li>– E-Mail encryption: SSL/TLS 1.2</li> <li>– Port numbers for SMTP, HTTP and POP3 editable</li> </ul> <p><b>Error corrections:</b></p> <ul style="list-style-type: none"> <li>– VV-File: Unit "% sol Vol" replaced by "lin%"</li> <li>– -Zipping of measured value and status files only on request</li> </ul>
<b>1.30.0, 02/2013</b>	<p><b>New functions:</b></p> <ul style="list-style-type: none"> <li>– Input: <ul style="list-style-type: none"> <li>• PROTRAC SIL versions are displayed in the device search</li> <li>• Interface measurement with VEGAFLEX 80 series</li> </ul> </li> <li>– Relay output: <ul style="list-style-type: none"> <li>• Pump control: Option Forced switchover added</li> </ul> </li> <li>– WEB-VV: <ul style="list-style-type: none"> <li>• WEB-VV data transmission: Submission of measured values after an inaccurate transmission</li> </ul> </li> <li>– Signal conditioning: <ul style="list-style-type: none"> <li>• Units for "ct/s", "ct" and density units with adjustment units for HART-Generic sensors added</li> <li>• Units for "mNN", "ct/s", "ct" added with scaling units</li> </ul> </li> <li>– Local adjustment: <ul style="list-style-type: none"> <li>• Acknowledgement of pump disturbances via the menu simplified</li> <li>• New measured value picture with symbols for pump control</li> </ul> </li> <li>– Ethernet-Interface: <ul style="list-style-type: none"> <li>• Proxy function added</li> </ul> </li> </ul> <p><b>Error corrections:</b></p> <ul style="list-style-type: none"> <li>– E-mail transmission: Problems with POP before SMTP removed</li> <li>– Smaller errors in the menu removed</li> <li>– When retrieving device trend files via http not all values were transmitted</li> <li>– Calibration date and hardware version were not stored correctly in the EEPROM</li> <li>– Error with http request via Excel 2010 removed</li> <li>– Instrument can no longer be operated via the menu after a reset Switch-on time relay</li> <li>– With HART-Generic sensors, the texts for the adjustment units "mBar" and "bar" are</li> </ul>

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	<p>interchanged</p> <ul style="list-style-type: none"> <li>- After a restart, the measured value picture for totalizer was no longer displayed</li> </ul>
<p><b>1.20.0, 06/2011</b></p>	<p><b>New functions:</b></p> <ul style="list-style-type: none"> <li>- Input: <ul style="list-style-type: none"> <li>• HART mode also for instruments without optional interface if the respective hardware is mounted (digital print with index -04, instrument HW Rev. 1.0.7)</li> <li>• HART: Secondary Master can be connected</li> </ul> </li> <li>- WEB-VV: <ul style="list-style-type: none"> <li>• Extension WEB VV data transmission by type measured value controlled/time-controlled</li> <li>• WEB VV Event can be triggered via DTM with a delay</li> <li>• Test event can be triggered via DTM with a delay</li> <li>• Improved feedback with message transmission</li> </ul> </li> <li>- RS232 interface with Modem: <ul style="list-style-type: none"> <li>• Additional possibility to send AT-Strings to the modem</li> <li>• SMS and e-mail can now be transmitted at the same time (are executed one after the other)</li> <li>• Additional LOG files for data transmission with modem or via LAN</li> </ul> </li> <li>- Local adjustment: <ul style="list-style-type: none"> <li>• The on-time counter can now be reset via the menu</li> </ul> </li> </ul> <p><b>Error corrections:</b></p> <ul style="list-style-type: none"> <li>- Accuracy of the real time clock with operating in LAN improved</li> <li>- WEB VV data can be sent in minute cycle, previously caused a restart of the instrument</li> <li>- When setting up the pump control, a restart is no longer required for the correct function</li> <li>- Reset of the on-time counter of the relays is now stored in the EEPROM</li> <li>- PPP: With Dial-In, the dial-in functioned only once</li> <li>- Relay status information was not transmitted correctly via Modbus TCP</li> <li>- Trend recordings are corrected with time changes</li> </ul>
<p><b>1.10.0, 11/2009</b></p>	<p><b>New functions:</b></p> <ul style="list-style-type: none"> <li>- Software update function via DTM</li> <li>- Relay mode pump control 3 and 4</li> <li>- Relay, current output: Pulse length for flow pulses changed to 350 ms</li> <li>- Local adjustment: <ul style="list-style-type: none"> <li>• New menu image for switch on period Rel. 1...4</li> <li>• New menu image for sensor status</li> <li>• NE107 status messages</li> </ul> </li> </ul>

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	<p><b>Error corrections:</b></p> <ul style="list-style-type: none"> <li>– Phoenix Contact modem together with RS232 interface</li> <li>– Coded WEB-VV data transmission</li> </ul>
<b>1.03.0, 06/2009</b>	<p><b>New functions:</b></p> <ul style="list-style-type: none"> <li>– Webserver: <ul style="list-style-type: none"> <li>• HTML pages in French</li> </ul> </li> </ul> <p><b>Error corrections:</b></p> <ul style="list-style-type: none"> <li>– Instrument trend recordings</li> </ul>
<b>1.01.0, 06/2009</b>	<p><b>Error corrections:</b></p> <ul style="list-style-type: none"> <li>– WEB-VV Event</li> <li>– Instrument trend recordings after power fail</li> <li>– Local adjustment</li> </ul>
<b>1.0.0, 05/2009</b>	<p><b>First version</b></p> <ul style="list-style-type: none"> <li>– Software update only possible via USB-Update software not via DTM</li> </ul>

### Legend:

Name	Description
Version	<p>xx.yy.zz</p> <p>xx: Compatibility version. Will be increased if there is no compatibility to the version before. Range of values 0...99.</p> <p>yy: Functions extension version. Will be increased if new functions or modifications were carried out. A function extension version can include error corrections. Range of values 0...99.</p> <p>zz: Error correction version. Will be increased if only error corrections were made. Range of values 0...99.</p>
Available since	Month/Year