

VEGAMET 391

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

Overview of software versions



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

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| | <p>interchanged</p> <ul style="list-style-type: none"> – After a restart, the measured value picture for totalizer was no longer displayed |
| 1.20.0, 06/2011 | <p>New functions:</p> <ul style="list-style-type: none"> – Input: <ul style="list-style-type: none"> • 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) • HART: Secondary Master can be connected – WEB-VV: <ul style="list-style-type: none"> • Extension WEB VV data transmission by type measured value controlled/time-controlled • WEB VV Event can be triggered via DTM with a delay • Test event can be triggered via DTM with a delay • Improved feedback with message transmission – RS232-Interface with Modem: <ul style="list-style-type: none"> • Additional possibility to send AT-Strings to the modem • SMS and e-mail can now be transmitted at the same time (are executed one after the other) • Additional LOG files for data transmission with modem or via LAN – Local adjustment: <ul style="list-style-type: none"> • The on-time counter can now be reset via the menu <p>Error corrections:</p> <ul style="list-style-type: none"> – Accuracy of the real time clock with operating in LAN improved – WEB VV data can be sent in minute cycle, previously caused a restart of the instrument – When setting up the pump control, a restart is no longer required for the correct function – Reset of the on-time counter of the relays is now stored in the EEPROM – PPP: With Dial-In, the dial-in functioned only once – Relay status information was not transmitted correctly via Modbus TCP – Trend recordings are corrected with time changes |
| 1.10.0, 11/2009 | <p>New functions:</p> <ul style="list-style-type: none"> – Software update function via DTM – Relay mode pump control 3 and 4 – Relay, current output: Pulse length for flow pulses changed to 350 ms – Local adjustment: <ul style="list-style-type: none"> • New menu image for switch on period Rel. 1...4 • New menu image for sensor status • NE107 status messages |

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

Legend:

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