VEGAMET 624

Version, available since	Description
1.98.1 **06/2016**	**New functions:** − Increasing the display contrast **Error corrections:** − Communiction errors during encrypted data transmission via Ethernet interface by means of TLS/PSK procedure to DTM − Incorrect display of HART communication statistics

1.98
03/2016
	New functions:
	
	− Input:
	   • For VEGA HART sensors, selection of the HART variables as sensor value possible
	
	− VEGA Inventory System:
	   • 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:
	   • 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
	
	Error corrections:
	
	− Serial number >16777215 of VEGA HART sensors correctly displayed
	
	− Various translations corrected in the menu

Overview of software versions

Version, available since	Description
1.96 **07/2014**	**Functionality:** – E-mail encryption: SSL/TLS 1.2 – Port numbers for SMTP, HTTP und POP3 editable **Error corrections:** – VV file: Unit ”% sol Vol“ replaced by ”lin%“ – Ziping of measured value and status files only by request
1.95 **02/2013**	**Functionality** – WEB-VV data transmission: Submission of measured values after an inaccurate transmission – PROTRAC SIL versions are displayed in the device search – Interface measurement with VEGAFLEX 80 series – 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 – Ethernet: Proxy function added – NE107 messages of plics®plus sensors are shown on the display – Switching point adjustment of relay outputs with reference value scaled – Pump control: Option forced switchover added **Error corrections:** – 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 – If the sensor value was changed with a measurement loop, then error E005 will be outputted with measurement loop 3 – Error with http request via Excel 2010 removed
1.94 **06/2011**	**Functionality** – Extension WEB VV data transmission by type measured value controlled/time-controlled – Test event can be triggered via DTM with a delay – HART: Secondary Master can be connected – Improved feedback with message transmission – Modem: Additional possibility to send AT-Strings to the modem

Version, available since	Description
	– 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 – For Japan the selectable units can be limited to SI units – WEB VV data transmission can be triggered via the menu – The relay on-time counter can now be reset via the menu **Error corrections:** – Accuracy of the real time clock with operatiion in LAN improved – WEB VV data can be sent in minute cycle, previously caused a restart of the instrument – 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
1.93 **03/2010**	– Error correction
1.92 **11/2009**	– Integration of new sensors: • plics®plus sensors • VEGADIF 65 sensors • PROTRAC sensors – Relay, current output: Pulse length for flow pulses changed to 350 ms **Instruments with interface:** -Coded WEB-VV data transmission
1.91 **12/2008**	– New menu: WHG **Instruments with Ethernet interface** – WEB-VV data exchange updated **Instruments with RS232 interface** – Modem operation updated – WEB-VV data exchange updated
1.90	– HART communication updated

Overview of software versions

Version, available since	Description
04/2008	− Fault message E015 was outputted instead of E014 with sensor current > 35 mA − Scaling units extended by temperature units − Error correction: temporary deactivation of the PIN caused permanent deactivation up to the next restart **Instruments with Ethernet interface** − DHCP client − TCP/IP communication updated − WEB-VV data exchange updated **Instruments with RS232 interface** − Modem operation extended by additional safety measures − User name and password extended to 60 characters with PPP − WEB-VV data exchange updated − Error correction: Saving of RS232 interface parameters
1.80 07/2007	− Integration VEGAWELL 51/52 sensors − New menu language: Dutch − Live adjustment via menu − Simulation of percent and Lin-percent-values via menu − Update HART communication **Instruments with optional interfaces** − WEB-VV functionality implemented − Event type time controlled with limited timing (e.g. only on weekdays) − Device trend: error correction of CSV data file − Device trend: error correction performance after voltage drop
1.73 07/2006	**Instruments with interface:** − Error correction: Curve15 can now be read out with DTM − Error correction: Modbus TCP protocol
1.72 04/2006	− Relay operation mode tendency recognition − Relay operation mode pump control

Version, available since	Description
	Instruments with optional interface: – Error correction: Curve 15 can be now read out with DTM – Error correction: Modbus TCP protocol
1.62 **01/2006**	– Error correction: Update Reset Facory Settings
1.61 **12/2005**	– WHG with WHG HART sensors – Access protection for parameter adjustment **Instruments with RS232 interface:** – Device trend / Data logger function – E-mail: Transmission of device trend files possible – SMS function – PPP: IP address and Host name can be modified via DTM **Instruments with Ethernet interface:** – Device trend / Data logger function – E-mail: Transmission of device trend files possible
1.51 **09/2005**	– Error correction Ethernet communication with Standard gatway
1.50 **07/2005**	– New menu images for standard gateway and communication protocol **Instruments with RS232 interface:** – PPP dial-up function (e.g. a dial-up connection can be established to the instrument and measured values can be enquired via a web browser) – VEGA ASCII protocol implemented – E-mail: Transmission of VV files possible **Instruments with Ethernet interface:** – VEGA ASCII protocol implemented – E-mail: Transmission of VV files possible – Access protection for HTML pages
1.40 **03/2005**	– Integration VEGACAL sensors

Overview of software versions

Version, available since	Description
	Instruments with RS232 interface:
	– E-mail function
	– PPP selection function (i.e. MET dials automatically and sends EMAIL)
	Instruments with Ethernet interface:
	– E-mail function
	– Floating Point via Modbus TCP
	– transmission of VV files possible
1.30 12/2004	– Flow measurement with pulse outputs
1.20 10/2004	– First sold version for instruments with optional interfaces (Ethernet, RS232)
	– PC/DCS outputs available
	– First version with WHG
	– Menu language Italian
	Instruments with RS232 interface:
	– Real time clock
	– Modem initialisation: Remote enquiry via modem with Pactware possible
	– Connection to Visual VEGA (Vers. 5.21)
	– Software update via RS232 interface possible
	Instruments with Ethernet interface
	– Real time clock
	– WEB-Browser (HTML pages)
	– Connection to Visual VEGA (Vers. 5.21)
	– Modbus TCP protocol
1.11 04/2004	- HART-function
1.00 03/2004	**First sold version for VEGAMET 624** - Analogue version without HART function

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	  • Safety update SSL / TLS-Stack
	
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	Error corrections:
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1.11 04/2004	**First sold version for VEGAMET 625**

Legende:

Name	Beschreibung
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