VEGAMET 624 / 625

Version, available since	Description
1.98.3 **12/2022**	**New functions:** – Scaling unit "mNN" was renamed "müNHN" – On-site adjustment: When entering the relay switching points with Basic value "Scaled", two decimal places can be edited. **Error corrections:** – Real-time clock accuracy improved
1.98.1 06/2016	**New functions:** – Increasing the display contrast **Error corrections:** – Communictions 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

Version, available since	Description
	• 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
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

Overview of software versions

Version, available since	Description
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 − 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 operating 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**

VEGA

Version, available since	Description
	– WEB-VV data exchange updated **Instruments with RS232 interface** – Modem operation updated – WEB-VV data exchange updated
1.90 **04/2008**	– HART communication updated – Fault message E015 was outputted instead of E014 with sensor currents > 35mA – 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

Overview of software versions

Version, available since	Description
1.73 **07/2006**	**Geräte mit Schnittstelle:** – Fehlerkorrektur: Kurve15 kann jetzt mit DTM ausgelesen werden – Fehlerkorrektur: Modbus TCP-Protokoll
1.72 **04/2006**	– Relay operation mode tendency recognition – Relay operation mode pump control **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

Version, available since	Description
	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 **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)

Version, available since	Description
	– Modbus TCP protocol
1.11 **04/2004**	-HART-function
1.00 **03/2004**	**First sold version for VEGAMET 624** -Analogue version without HART function

VEGAMET 625

Version, available since	Description
1.98.1 06/2016	**New functions:** − Increasing the display contrast **Error corrections:** − Communications 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:
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	− 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
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	– Integration of new sensors:
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	– Relay, current output: Pulse length for flow pulses changed to 350 ms
	
	Instruments with interface:
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Version, available since	Description
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VEGA

Version, available since	Description
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	– 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
	– Assistant for creating an interface measurement
	– 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**	**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