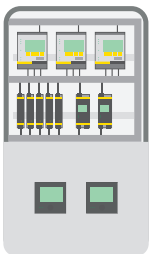
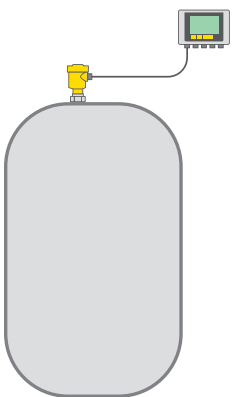


# Controllers



Sensors gather measured values in a vessel and forward them to the controller. By adjusting the settings of the controller, the measured values can be adapted to the specific control requirements of the application.

The values appear in the display and can be output through the integrated current outputs that are used to control external displays or higher-level control devices.



## The advantages

- ✓ Versatile application thanks to scalable outputs
- ✓ Simple integration into higher-level systems
- ✓ Easy installation with carrier rails

**VEGAMET 841/842****VEGAMET 861/862**

<b>Application</b>	Measured value indication, limit value monitoring, pump control, flow measurement in open channels	Measured value indication, limit value monitoring, pump control, flow measurement in open channels, data logger
<b>Input</b>	1/2x 4 ... 20 mA sensor input	1/2x 4 ... 20 mA/HART sensor input 2/4x digital input
<b>Output</b>	1/2x 0/4 ... 20 mA current output 3x operating relay 1x fail safe relay (instead of an operating relay)	1/3x 0/4 ... 20 mA current output 4/6x operating relay 1x fail safe relay (instead of an operating relay)
<b>Operating voltage</b>	24 ... 65 V DC 100 ... 230 V AC, 50/60 Hz	24 ... 65 V DC 100 ... 230 V AC, 50/60 Hz
<b>Mounting</b>	Wall/pipe mounting in the field	Wall/pipe mounting in the field
<b>Display</b>	LCD matrix display, black and white backlight with colour change according to status, relay or measured value	LCD matrix display, black and white backlight with colour change according to status, relay or measured value
<b>Adjustment</b>	On-site adjustment with 4 keys, smartphone/tablet/PC via Bluetooth (PACTware/DTM or VEGA Tools app)	On-site adjustment with 4 keys, smartphone/tablet/PC via Bluetooth (PACTware/DTM or VEGA Tools app)
<b>Approvals</b>	ATEX, UKEX, IECEx, cULus, NEPSI, EAC (GOST), INMETRO, TIIS, KOSHA/KTL, SEPRO, CCOE, IA, Overfill protection	ATEX, UKEX, IECEx, cULus, NEPSI, EAC (GOST), INMETRO, TIIS, KOSHA/KTL, SEPRO, CCOE, IA, Overfill protection, mcerts
<b>Benefit</b>	<ul style="list-style-type: none"> <li>✓ Clear, easy-to-read (at distance), user-programmable display</li> <li>✓ Fast setup thanks to simple intuitive menu navigation and application wizards</li> <li>✓ Secure, user-friendly wireless operation via Bluetooth with smartphone, tablet or PC</li> </ul>	

# Controllers





## VEGAMET 341/342



## VEGAMET 391



Application	Measured value indication, limit value monitoring, pump control, flow measurement in open channels	Measured value indication and simple control functions, remote data retrieval, data transmission optionally via Ethernet
Input	1/2x 4 ... 20 mA sensor input	1x 4 ... 20 mA/HART sensor input
Output	1/2x 0/4 ... 20 mA current output 3x operating relay 1x fail safe relay (instead of operating relay)	1x 0/4 ... 20 mA current output 6x operating relay 1x fail safe relay (instead of operating relay)  1x Ethernet (optional) 1x RS232 (optional)
Operating voltage	24 ... 65 V DC 100 ... 230 V AC, 50/60 Hz	24 ... 65 V DC 24 ... 230 V AC, 50/60 Hz
Mounting	Panel mounting	Front panel or wall mounting Carrier rail 35 x 7.5 mm acc. to EN 50022
Display	LCD matrix display, black and white backlight with colour change according to status, relay or measured value	LCD matrix display, background lighting
Adjustment	On-site adjustment with rotary knob/push-button, smartphone/tablet/PC via Bluetooth (PACTware/DTM or VEGA Tools app)	On-site adjustment with 4 keys, PACTware/DTM
Approvals	ATEX, UKEX, IECEx, cULus, EAC (GOST), SEPRO, WHG, Ship	ATEX, UKEX, IECEx, FM, CSA, EAC (GOST), UKR Sepro, SIL2
Benefit	<ul style="list-style-type: none"> <li>✓ Clear, easy-to-read (at distance), user-programmable display</li> <li>✓ Fast setup thanks to simple intuitive menu navigation and application wizards</li> <li>✓ Secure, user-friendly wireless operation via Bluetooth with smartphone, tablet or PC</li> </ul>	<ul style="list-style-type: none"> <li>✓ Clear display, readable from a distance</li> <li>✓ Fast setup and commissioning via simple menu guidance</li> </ul>

VEGAMET 141/142	VEGAMET 624	VEGAMET 625	VEGASCAN 693
			
<p>Measured value visualisation, limit value monitoring, pump control, flow measurement in open channels</p>	<p>Measured value indication, simple control functions as well as remote enquiry of measured values for one 4 ... 20 mA/HART sensor, data transmission optionally via Ethernet</p>	<p>Measured value indication, simple control functions as well as remote enquiry of measured values for two HART sensors, data transmission optionally via Ethernet</p>	<p>Measured value indication and remote enquiry of measured values for up to 15 HART sensors, data transmission optionally via Ethernet</p>
<p>1/2x 4 ... 20 mA sensor input</p>	<p>1x 4 ... 20 mA/HART sensor input</p>	<p>2x HART sensor input</p>	<p>15x HART sensor input</p>
<p>1/2x 0/4 ... 20 mA current output 3x operating relay 1x fail safe relay (instead of operating relay)</p>	<p>3x 0/4 ... 20 mA current output 3x operating relay 1x fail safe relay  1x Ethernet (optional) 1x RS232 (optional)</p>	<p>3x 0/4 ... 20 mA current output 3x operating relay 1x fail safe relay  1x Ethernet (optional) 1x RS232 (optional)</p>	<p>1x fail safe relay 1x Ethernet (optional) 1x RS232 (optional)</p>
<p>24 ... 65 V DC 100 ... 230 V AC, 50/60 Hz</p>	<p>24 ... 65 V DC 24 ... 230 V AC, 50/60 Hz</p>	<p>24 ... 65 V DC 24 ... 230 V AC, 50/60 Hz</p>	<p>24 ... 65 V DC 24 ... 230 V AC, 50/60 Hz</p>
<p>Carrier rail 35 x 7.5 mm acc. to EN 50022</p>	<p>Carrier rail 35 x 7.5 mm acc. to EN 50022</p>	<p>Carrier rail 35 x 7.5 mm acc. to EN 50022</p>	<p>Carrier rail 35 x 7.5 mm acc. to EN 50022</p>
<p>LCD matrix display, black and white backlight with colour change according to status, relay or measured value</p>	<p>LCD matrix display, backlight</p>	<p>LCD matrix display, backlight</p>	<p>LCD matrix display, backlight</p>
<p>On-site adjustment with rotary knob/push-button, smartphone/tablet/PC via Bluetooth (PACTware/DTM or VEGA Tools app)</p>	<p>On-site adjustment with 4 keys, PACTware/DTM</p>	<p>On-site adjustment with 4 keys, PACTware/DTM</p>	<p>On-site adjustment with 4 keys, PACTware/DTM</p>
<p>ATEX, UKEX, IECEx, cULus, EAC (GOST), INMETRO, TISS, SEPRO, CCOE, IA, Overfill protection, Ship</p>	<p>ATEX, UKEX, IECEx, FM, CSA, EAC (GOST), UKR Sepro, Ship</p>	<p>ATEX, UKEX, IECEx, FM, CSA, EAC (GOST), UKR Sepro, Ship</p>	<p>ATEX, UKEX, IECEx, FM, CSA, EAC (GOST), UKR Sepro, Ship</p>
<ul style="list-style-type: none"> <li>✓ Compact design with display for on-site checking</li> <li>✓ Fast setup and commissioning via simple menu navigation and application wizards</li> <li>✓ Secure, user-friendly wireless operation via Bluetooth with smartphone, tablet or PC</li> </ul>	<ul style="list-style-type: none"> <li>✓ Display for on-site checking</li> <li>✓ Fast setup and commissioning via simple menu navigation</li> </ul>		

# Controllers

## VEGATOR 111/112



## VEGATOR 121/122



Application	Transmission of NAMUR signals for level signalling	Transmission of 8/16 mA signals for level signalling
Input	1/2x NAMUR sensor input	1/2x two-wire 8/16 mA sensor input
Output	<p>VEGATOR 111: 1x operating relay (SPDT), optional 1x fail safe relay (SPDT)</p> <p>VEGATOR 112: 2x operating relay (SPDT)</p>	<p>VEGATOR 121: 1x operating relay (SPDT), optional 1x fail safe or operating relay (SPDT)</p> <p>VEGATOR 122: 2x operating relay (SPDT)</p>
Operating voltage	24 ... 65 V DC 24 ... 230 V AC, 50/60 Hz	24 ... 65 V DC 24 ... 230 V AC, 50/60 Hz
Mounting	Carrier rail 35 x 7.5 mm acc. to EN 50022	Carrier rail 35 x 7.5 mm acc. to EN 50022
Display	1x LED voltage supply 1x LED switching signal per channel 1x LED false signal per channel	1x LED voltage supply 1x LED switching signal per channel 1x LED false signal per channel
Approvals	ATEX, UKEX, IECEx, cULus, CSA, NEPSI, EAC (GOST), CCOE, Overfill protection, Ship, SIL2	ATEX, UKEX, IECEx, cULus, CSA, NEPSI, EAC (GOST), CCOE, Overfill protection, Ship, SIL2
Benefit	<ul style="list-style-type: none"> <li>✓ Rapid implementation of simple control functions</li> <li>✓ Increased operational reliability through line monitoring and test button</li> <li>✓ Easy installation via carrier rail</li> </ul>	

**VEGATOR 131/132****VEGATOR 141/142**

<b>Application</b>	Controller for conductive measuring probes level signalling	Controller for 4 ... 20 mA signals for level signalling
<b>Input</b>	1/2x conductive rod probe	1/2x 4 ... 20 mA sensor input
<b>Output</b>	<p>VEGATOR 131: 1x operating relay, optional 1x fail safe relay output (SPDT)</p> <p>VEGATOR 132: 2x operating relay (SPDT)</p>	<p>VEGATOR 141: 1x operating relay (SPDT), optional 1x fail safe relay output (SPDT)</p> <p>VEGATOR 142: 2x operating relay (SPDT)</p>
<b>Operating voltage</b>	24 ... 65 V DC 24 ... 230 V AC, 50/60 Hz	24 ... 65 V DC 24 ... 230 V AC, 50/60 Hz
<b>Mounting</b>	Carrier rail 35 x 7.5 mm acc. to EN 50022	Carrier rail 35 x 7.5 mm acc. to EN 50022
<b>Display</b>	1x LED voltage supply 1x LED switching signal per channel 1x LED false signal per channel	1x LED voltage supply 1x LED switching signal per channel 1x LED false signal per channel
<b>Approvals</b>	ATEX, UKEX, IECEx, EAC (GOST), Overfill protection	ATEX, UKEX, IECEx, cULus, CSA, NEPSI, EAC (GOST), CCOE, Overfill protection, Ship, SIL2
<b>Benefit</b>	<ul style="list-style-type: none"> <li>✓ Rapid implementation of simple control functions</li> <li>✓ Increased operational reliability through line monitoring</li> <li>✓ Easy installation via carrier rail</li> </ul>	