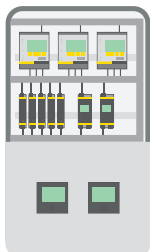
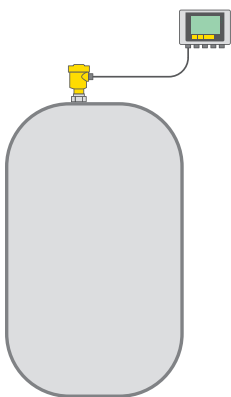


# Controllers



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



Application	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
Input	1/2x 4 ... 20 mA sensor input	1/2x 4 ... 20 mA/HART sensor input 2/4x digital input
Output	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)
Operating voltage	24 ... 65 V DC 100 ... 230 V AC, 50/60 Hz	24 ... 65 V DC 100 ... 230 V AC, 50/60 Hz
Mounting	Wall/pipe mounting in the field	Wall/pipe mounting in the field
Display	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
Adjustment	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)
Approvals	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
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>	

# 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**

Measured value visualisation, limit value monitoring, pump control, flow measurement in open channels

1/2x 4 ... 20 mA sensor input

1/2x 0/4 ... 20 mA current output  
3x operating relay  
1x fail safe relay (instead of operating relay)

24 ... 65 V DC  
100 ... 230 V AC, 50/60 Hz

Carrier rail 35 x 7.5 mm acc. to EN 50022

LCD matrix display, black and white backlight with colour change according to status, relay or measured value

On-site adjustment with rotary knob/push-button, smartphone/tablet/PC via Bluetooth (PACTware/DTM or VEGA Tools app)

ATEX, UKEX, IECEx, cULus, EAC (GOST), INMETRO, TISS, SEPRO, CCOE, IA, Overfill protection, Ship

- ✓ Compact design with display for on-site checking
- ✓ Fast setup and commissioning via simple menu navigation and application wizards
- ✓ Secure, user-friendly wireless operation via Bluetooth with smartphone, tablet or PC

**VEGAMET 624**

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

1x 4 ... 20 mA/HART sensor input

3x 0/4 ... 20 mA current output  
3x operating relay  
1x fail safe relay  
1x Ethernet (optional)  
1x RS232 (optional)

24 ... 65 V DC  
24 ... 230 V AC, 50/60 Hz

Carrier rail 35 x 7.5 mm acc. to EN 50022

LCD matrix display, backlight

On-site adjustment with 4 keys, PACTware/DTM

ATEX, UKEX, IECEx, FM, CSA, EAC (GOST), UKR Sepro, Ship

- ✓ Display for on-site checking
- ✓ Fast setup and commissioning via simple menu navigation

**VEGAMET 625**

Measured value indication, simple control functions as well as remote enquiry of measured values for two HART sensors, data transmission optionally via Ethernet

2x HART sensor input

3x 0/4 ... 20 mA current output  
3x operating relay  
1x fail safe relay  
1x Ethernet (optional)  
1x RS232 (optional)

24 ... 65 V DC  
24 ... 230 V AC, 50/60 Hz

Carrier rail 35 x 7.5 mm acc. to EN 50022

LCD matrix display, backlight

On-site adjustment with 4 keys, PACTware/DTM

ATEX, UKEX, IECEx, FM, CSA, EAC (GOST), UKR Sepro, Ship

**VEGASCAN 693**

Measured value indication and remote enquiry of measured values for up to 15 HART sensors, data transmission optionally via Ethernet

15x HART sensor input

1x fail safe relay  
1x Ethernet (optional)  
1x RS232 (optional)

24 ... 65 V DC  
24 ... 230 V AC, 50/60 Hz

Carrier rail 35 x 7.5 mm acc. to EN 50022

LCD matrix display, backlight

On-site adjustment with 4 keys, PACTware/DTM

ATEX, UKEX, IECEx, FM, CSA, EAC (GOST), UKR Sepro, Ship

# 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



Application	Controller for conductive measuring probes level signalling	Controller for 4 ... 20 mA signals for level signalling
Input	1/2x conductive rod probe	1/2x 4 ... 20 mA sensor input
Output	VEGATOR 131: 1x operating relay, optional 1x fail safe relay output (SPDT)  VEGATOR 132: 2x operating relay (SPDT)	VEGATOR 141: 1x operating relay (SPDT), optional 1x fail safe relay output (SPDT)  VEGATOR 142: 2x operating relay (SPDT)
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, EAC (GOST), Overfill protection	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</li> <li>✓ Easy installation via carrier rail</li> </ul>	