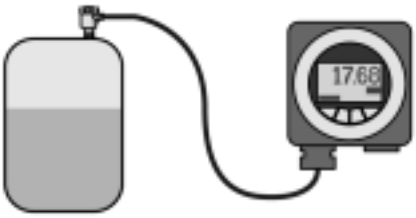
System components – Indication and adjustment

Indicating instruments

For presentation of measured values

With the continuous level measurement, the level in a vessel is detected. The measured value is further processed, e.g. as 4 … 20 mA signal in a PLC or a process control system. Often also the indication of the measured value on site is requested. For this purpose, a wide range of instruments is available. The differences are the kind of indication, the voltage supply and the mounting. Typical applications are measured value indication with a level measurement in a pump shaft or the remote indication on a measurement loop which is difficult to reach such as e.g. a wood chips silo.



Adjustment and visualisation software

PACTware™

With PACTware™ an adjustment surface for configuration, parameter adjustment, documentation and diagnosis is available for all instruments of the plics® family. The available device descriptions as DTM provide comprehensive functions easy to adjust with PC.

WEB-VV

WEB-VV offers a web portal for easy recording, presentation and further processing of measured values which are transmitted from a measurement loop to the system e.g. via Internet of GSM with a VEGA server as host.

Overview

	VEGADIS 11	VEGADIS 12	VEGADIS 61
			
Indication:	digital and quasianalogue	digital and quasianalogue	Dot-matrix
Signal:	4 … 20 mA, 4 … 20 mA/HART	4 … 20 mA, 4 … 20 mA/HART	I²C bus
Sensors:	4 … 20 mA passive or active	VEGABAR 74, 75, VEGAWELL72: 4 … 20 mA/HART electronics	plics® sensors
Mounting:	wall, rail mounting	wall, rail mounting	wall, rail, tube mounting
Ambient temperature:	-20 … +70 °C	-20 … +70 °C	-20 … +70 °C

	PLICSCOM	VEGADIS 175	VEGADIS 371
			
Indication:	Dot-matrix	digital	digital and quasianalogue
Signal:	I²C bus	4 … 20 mA, 4 … 20 mA/HART	4 … 20 mA
Sensors:	plics® sensors	4 … 20 mA passive or active	4 … 20 mA
Mounting:	in the sensor or VEGADIS 61	front panel	front panel
Ambient temperature:	-15 … +70 °C	-10 … +60 °C	-20 … +70 °C

VEGADIS 11

Digital indicating instrument without external energy
For separate measured value indication for 4...20 mA circuits

- wall or rail mounting
- LC display for digital and quasi-analogue presentation of measured values
- indicating range: -9999...9999 with individually adjustable decimal point
- protection: IP67

SPEED

Approval
.X without
EX.X ATEX II 2 G EEx ia IIC T6

DIS11

VEGADIS 12

Adjustment/indication without external energy for pressure transmitters
Use with VEGABAR 74/75, VEGAWELL 72 pressure transmitters with 4...20 mA/HART electronics

- with high quality ventilation filter
- wall or rail mounting
- LC display for digital and quasi-analogue presentation of measured values
- indication range: -9999...9999 with individually adjustable decimal point
- protection: IP67

SPEED

Approval
.X without
EX.X ATEX II 2G EEx ia IIC T6
Adjustment unit for pressure transmitter
B mounted
Display
X without
A mounted
Protective cover
X without
W with

DIS12

VEGADIS 61

External indicating and adjustment unit
Suitable for external indication of measured values and adjustment of plics® sensors

- digital and quasi-analogue indication of measured values
- can be mounted up to 25 m away from the sensor
- inclusive PLICSCOM
- instrument from the plics® family

SPEED plics®

Approval
XX without
CX ATEX II 1G, 2G, EEx ia IIC T6
CI IEC Ex ia IIC T6

Housing / Protection
K Plastic / IP66

Cable entry / Plug connection
M M20x1.5 / without
N ½NPT / without

Mounting / Material
A for wall mounting / aluminium
B for wall mounting / stainless steel
C for rail mounting / plastic
D for tube mounting / stainless steel

DIS61.				

- Holder for wall and tube mounting (article no. BARMONT.C), see chapter “Process pressure/Hydrostatic - Accessory“.

PLICSCOM

Pluggable indicating and adjustment module for plics® sensors
Suitable for VEGAFLEX series 60, VEGABAR series 50 and 60, VEGAPULS series 60, VEGASON series 60 and VEGACAL series 60, PLICSRADIO

- DOT matrix display with 4 keys for adjustment
- clear text indication with graphic support
- indication of trend and echo curves
- pluggable in 90° steps

SPEED plics®

Housing cover
K of plastic
A of aluminium
V of stainless steel 316L
X without

Version
B with background light
H with heating

PLICSCOM.		

VEGADIS 175

Digital indicating instrument without external energy for panel mounting (96 x 48 mm)
For separate indication of measured values

- for 4...20 mA circuits
- 5-digit scalable LC display
- adjustable decimal point
- compact housing

Indication range	: -19999...99999
Height of digits	: 17 mm
Protection	: IP65

SPEED

Approval
.X without .....
EX.X ATEX II 1 G EEx ia IIC T6 .....

DIS175 [ ]

VEGADIS 371

Digital indicating instrument
For separate indication of measured values and control functions

- for panel mounting (96 x 96 mm) or surface mounting
- LC display for digital and quasi-analogue presentation of measured values
- adjustable integration time, fault monitoring and pump change-over function

Input	: 4...20 mA (active or passive)
	: 0...10 V
Output	: 0/4...20 mA
Indication range	: -9999...9999
Protection	: IP40
Operating voltage	: 20...250V AC, 20...250V DC

SPEED

Approval
.X without .....
EX0.A ATEX II (1) G [EEx ia] IIC + WHG .....

Relay outputs
X without .....
A 1 module (2 relays) with adjustable switching hyster. .....
B 2 modules (4 relays) with adjustable switching hyster. .....

DIS371 [ ] [ ]

DTM Collection and PACTware

Open adjustment software with instrument description inclusive adjustment surface according to the FDT standard
In conjunction with an appropriate DTM, PACTware™ is the adjustment software for configuration, parameter adjustment, documentation and diagnostics.

- a configuration tool for all communication-capable VEGA instruments
- manufacturer and fieldbus-independent
- unique, standardized interface according to FDT specification 1.2
- DTM basic version for adjustment of all parameters of an instrument, without project saving and project documentation
- free-of-charge download of this basic version also via www.vega.com (services/ downloads/software)
- licensed, professional version inclusive project documentation and project saving

System requirements: Pentium, 500 MHz or higher, 128MB RAM
200 MB free space
Windows 2000/ME/XP/NT 4.0
(Service Pack 6)
Internet Explorer 5.0 or higher

SPEED

Software

S	Basic version witout project saving and project doc.
PS	License VEGAPULS series 40/50/60
FX	License VEGAFLEX series 50/60
BR	License VEGABAR series 40/50/60/70, D80 series,VEGAWELL
SN	License VEGASON series 50/60
CL	License VEGACAL series 60
MT	License VEGAMET624/625, SCAN693, LOG 571, PLICSRADIO
XL	Consol.license for all VEGA instruments

PACTWARE.

VEGACONNECT

Interface adapter between PC and communication-capable VEGA instruments
Interface adapter between communication-capacble VEGA instruments and the USB interface
of a PC in conjunction with the adjustment software PACTware™.

- for use on PCs with USB interface
- adjustment by means of DTM and adjustment program PACTware™
- particularly suitable for connection to plics® sensors
- incl. connection box with different connection cables and adapters

SPEED

CONNECT.CXA4

WEB-VV VH

Web-based recording and presentation of measured values
System to create a VMI process hosted on VEGA server

- Internet portal with save access
- worldwide access via Internet browser
- configurable user rights
- manifold graphic and tabular presentations
- transmission of messages via e-mail or SMS
- OPC interface for easy data export to ERP systems e.g. SAP R3 or logistics software
- transmission of measured values via telephone, GSM, GPRS or Internet/Intranet
- recording of measured values by VEGA signal conditioning instruments

System advantages of the hosting at VEGA
- redundant server structure
- operation via USV
- max. available Internet accesses
- integrated backup strategy
- max. availability 365 days / 24 h
- 24 h support

Prices, availability and further options on request

WEB-VV LH

Web-based recording and presentation of measured values
Locally hosted system to create a VMI process

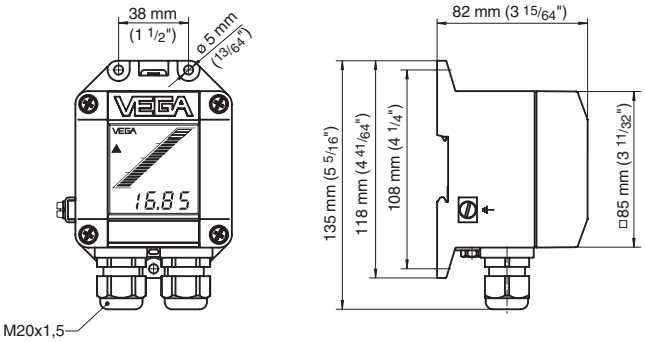
- Internet portal with save access
- worldwide access via Internet browser
- configurable user rights
- manifold graphic and tabular presentations
- transmission of messages via e-mail or SMS
- OPC interface for easy data export to ERP systems e.g. SAP R3 or logistics software
- transmission of measured values via telephone, GSM, GPRS or Internet/Intranet
- recording of measured values by VEGA signal conditioning instruments

System requirements

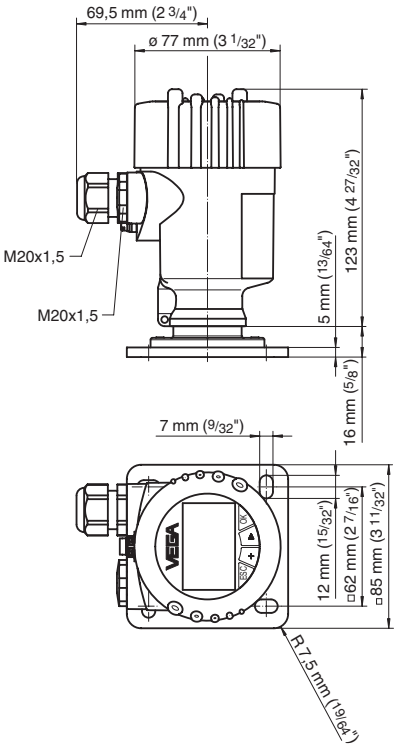
Hardware:	Pentium 4 or higher, min. 3 GHz, 1 Gbyte RAM, min. 500 MByte free fixed-disk storage,
Operating system:	MS Windows XP (+SP1 or higher)
Software:	easy installation via CD

WEB-VVLH.

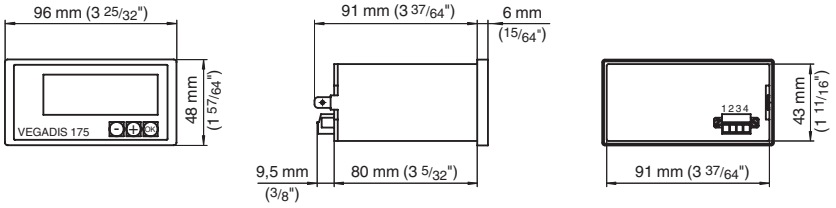
VEGADIS 11 and 12



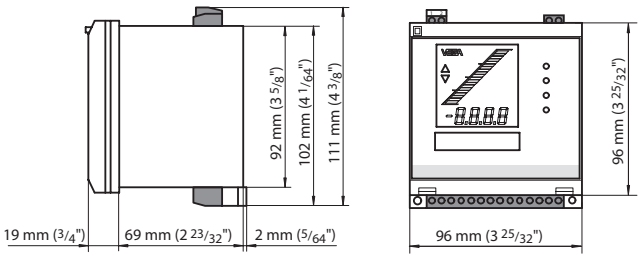
VEGADIS 61



VEGADIS 175



VEGADIS 371



- Iso housing IP 65 for VEGADIS 371 see chapter “Signal conditioning instruments and communication“

You find further drawings and charts under www.vega.com/downloads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