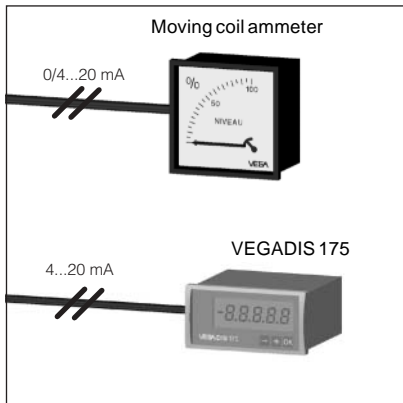


## System components - Indication and adjustment

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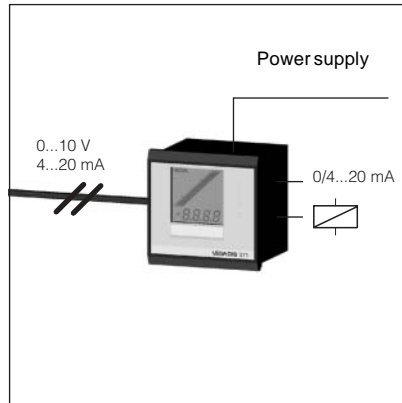


## Application examples: System components - Indication and adjustment



Moving coil ammeter and VEGADIS 175 with digital indication without external energy

Digital and analogue indicating instruments for connection to the 4...20 mA power supply cable of compact sensors or 0/4...20 mA current outputs



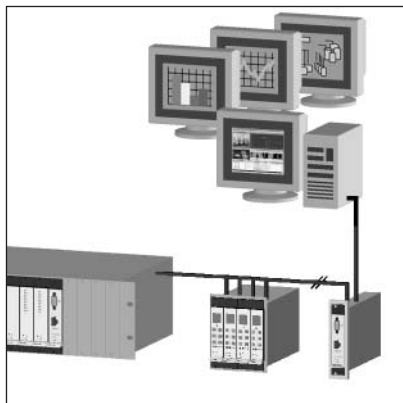
VEGADIS 371 with digital and quasi analogue indication

Digital indicating instrument with integrated level switches, pump changeover function and current output for connection of an individual sensor with analogue signal transmission (active and passive)



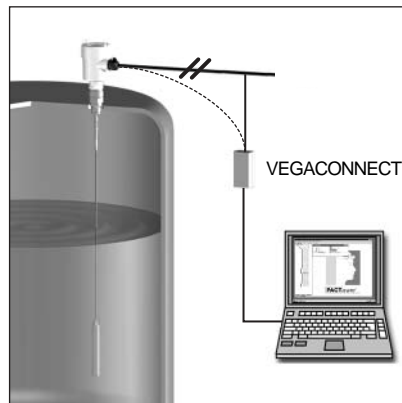
VEGADIS 11 with digital indication, without external energy

Digital indicating instrument for connection to the 4...20 mA power supply cable of compact sensors



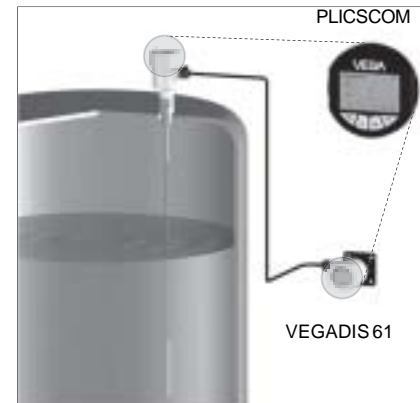
Visualisation, archive, remote enquiry, tank management with Visual VEGA

Adjustment of field devices with PACTware™. Tank management with Visual VEGA.



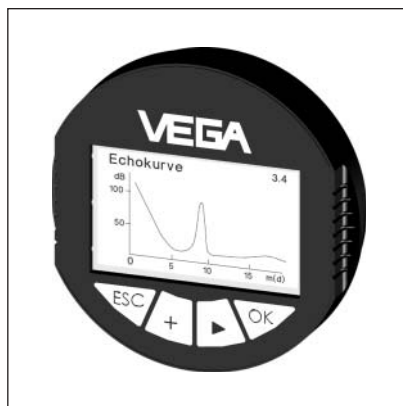
Adjustment with universal adjustment software PACTware™

Connection via VEGACONNECT on the 4...20 mA cable or directly on the sensor.



Indication and adjustment integrated in the sensor or remote in VEGADIS 61

Indication and adjustment.



Indicating and adjustment module PLICSCOM

Menu-driven adjustment with user-friendly clear text indication.

### VEGACONNECT 3

#### Interface adapter between PC and communication-capable VEGA instruments

Interface adapter between VEGA instruments and the RS 232 interface of a PC in conjunction with the adjustment software PACTware™, VEGA Visual Operating (VVO) or visualisation software Visual VEGA (VV)



Interface PC side : RS 232  
Power supply : via the RS 232 interface  
Approvals : ATEX II (1) G D [EEx ia] IIC



#### Version

X for instruments with HART and I<sup>2</sup>C bus interface .....



**CONNECT3.**

For operation on a USB interface, a USB/RS232 adapter cable (Article no. 2.26900) is available, see chapter "Signal conditioning instruments and communication - Accessory"





## Visual VEGA PRO

### Visualisation and archive program for VEGA instruments

Visualisation, archive, signalling, remote enquiry, Intranet/Internet

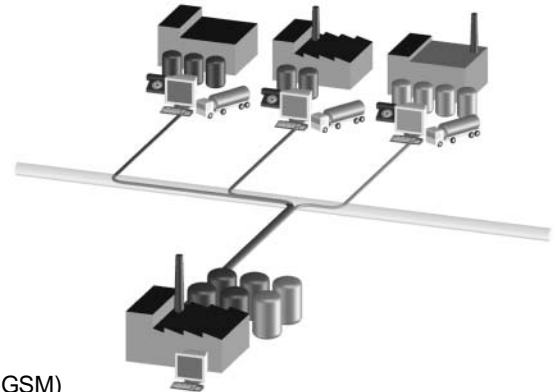
- presentation of the current measured values in the photographed plant picture, as bar graph and in tabular form
- presentation of the history data as line graph and charts incl. export function
- message and failure lists incl. acknowledgement
- the screen division (individual configuration) can be saved as layout
- automatic exporting of the current measured values into an ASCII file, the archive values into an ASCII or MS ACCESS file
- processing of the measured values into HTML format for standard browsers
- automatic transmission of measured values and messages via email, SMS or fax
- unlimited presentation of measured values on as many PCs within a network.

Enquiry of the measured values: automatically via RS 232, USB, Ethernet TCP/IP, modem (analogue, GSM)

System requirements: Pentium, 1 GHz, 128 MB RAM, screen resolution min. 800 x 600, Windows 2000/XP, Internet Explorer 5.0 or higher, TCP/IP protocol

Interfaces: depending on the configuration of Visual VEGA

RS 232 interface, USB via adapter cable art. no. 2.26900, ISDN card, modem (analogue, GSM), network card  
Optionally required: Internet access, email provider, WinFax Pro



**SOFTWARE-VV.M1**



## Visual VEGA LT

### Visualisation and archive program for VEGA instruments

Visualisation, archive, signalling, remote enquiry, Intranet/Internet

- presentation of the current measured values in the photographed plant picture, as bar graph and in tabular form
- presentation of the history data as line graph and charts incl. export function
- message and failure lists incl. acknowledgement
- the screen division can be configured individually and saved as layout
- automatic exporting of the current measured value into an ASCII file, the archive values into an ASCII or MS ACCESS file
- processing of the measured values into HTML format for standard browsers
- automatic transmission of measured values and messages via email, SMS or fax
- presentation of max. 16 measured values on as many PCs within a network.

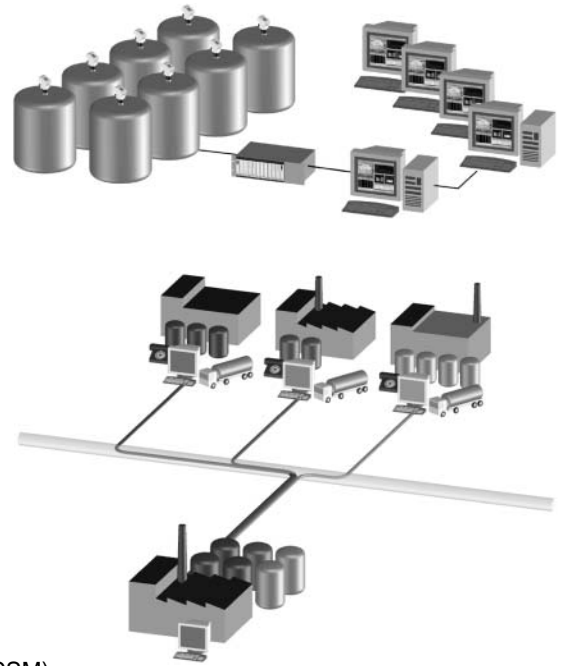
Enquiry of the measured values: automatically via RS 232, USB, Ethernet TCP/IP, modem (analogue, GSM)

System requirements: Pentium, 1 GHz, 128 MB RAM, screen resolution min. 800 x 600, Windows 2000/XP

Internet Explorer 5.0 or higher, TCP/IP protocol

Interfaces: depending on the configuration of Visual VEGA

RS 232 interface, USB via adapter cable art. no. 2.26900, ISDN card, modem (analogue, GSM), network card  
Internet access, email provider, WinFax Pro



**SOFTWARE-VV.S1**



### VEGADIS 11

#### Digital indicating instrument without external energy

For separate measured value display

- for 4...20 mA circuits
- wall or rail mounting
- LC display for digital and quasi-analogue display of measured values
- indicating range: -9999...9999 with individually adjustable decimal point
- protection : IP67



#### 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 VEGAWELL 72 HART, VEGABAR 74/75 pressure transmitters

- 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



#### 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 display and adjustment unit

Suitable for external display of measured values and adjustment of the sensors

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



### Approval

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

### Housing/Protection

- K** Plastic/IP66 .....
- V** Stainless steel 316L/IP66 .....

### Cable entry/Plug connection

- M** M20x1,5/without .....
- N** 1/2NPT/without .....

### Mounting/Material

- A** for wall mounting/Aluminium .....
- B** for wall mounting/stainless steel .....
- C** for rail mounting/plastic .....

DIS61. [ ] [ ] [ ] [ ] [ ]

Holder for wall and tube mounting (Article no. BARMONT.C), see chapter "Hydrostatic - Accessory".

## PLICSCOM

### Pluggable indicating and adjustment tool for plics sensors

Suitable for VEGAFLEX series 60, VEGABAR series 60 and 50, VEGAPULS series 60 and VEGASON series 60

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



### Housing cover

- X** without .....
- K** of plastic .....
- A** of Aluminium .....
- V** of stainless steel 316L .....

PLICSCOM. [ ] [ ] [ ] [ ] [ ]

### VEGADIS 175

**Digital indicating instrument without external energy for panel mounting (96 x 48 mm)**

For separate display of measured values

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



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



**Approval**

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



**DIS175**

### VEGADIS 371

**Digital indicating instrument**

For separate display 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



**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**



## Moving coil ammeter

### Moving coil ammeter without external energy

For separate display of measured values

- scale division 0...100 %
- for front panel mounting acc. to DIN 43700
- class 1.5 acc. to VDE 0410



### Approval

.X without .....

#### Version

- 1 Quadrant .....
- 2 Horizontal .....
- 3 Vertical .....

#### Dimensions

- N Quadrant 48x48mm .....
- J Quadrant 72x72mm .....
- F Quadrant 96x96mm .....
- D Quadrant 144x144mm .....
- M Horizontal scale, vertical scale 72x24mm .....
- K Horizontal scale, vertical scale 72x36mm .....
- G Horizontal scale, vertical scale 96x48mm .....
- I Horizontal scale, vertical scale 96x24mm .....
- E Horizontal scale, vertical scale 144x72mm .....

#### Scale

- N 0...100% .....
- S Customer specific .....
- D Double scale .....

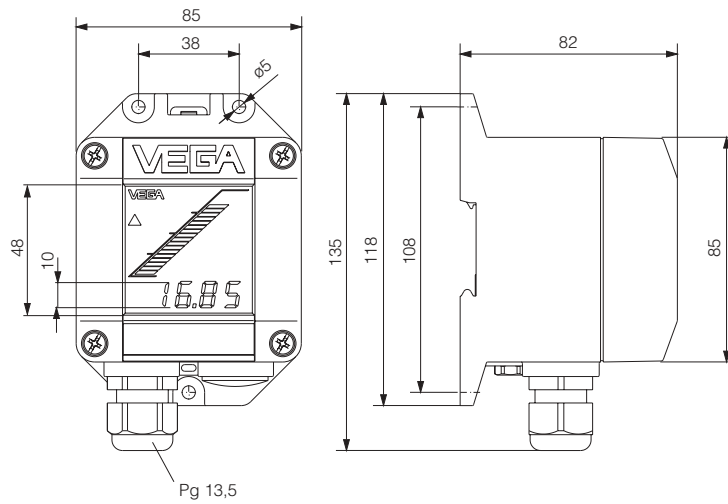
#### Measuring range

- 1 0...20mA .....
- 2 4...20mA .....
- 3 0...5V .....
- 5 0...10V .....

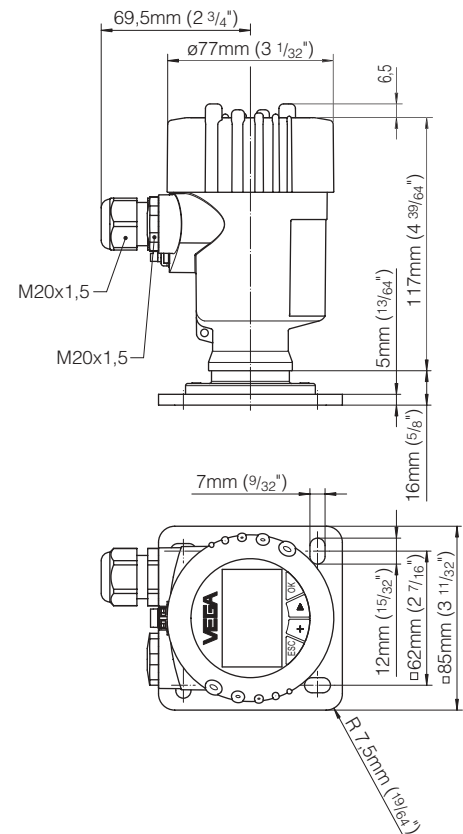
AZ					
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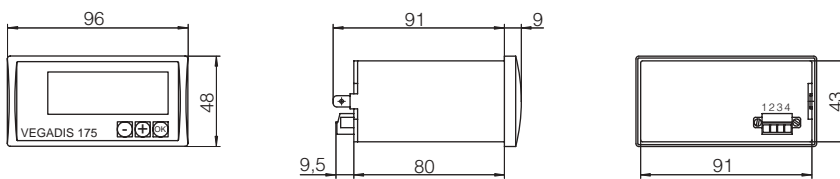
### VEGADIS 11 and 12



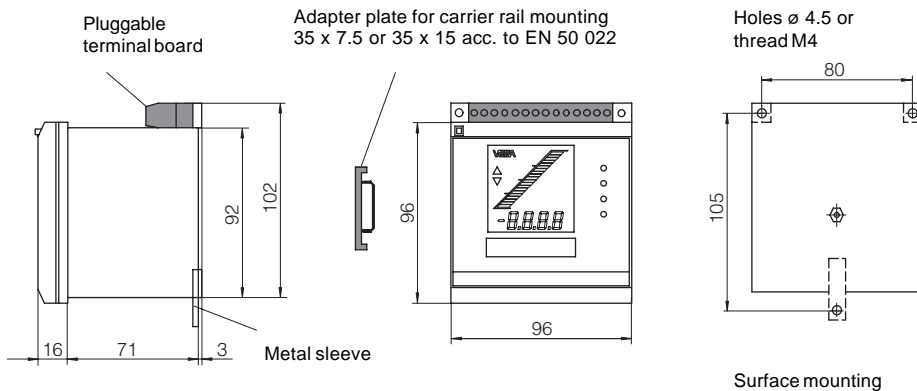
### VEGADIS 61



### VEGADIS 175



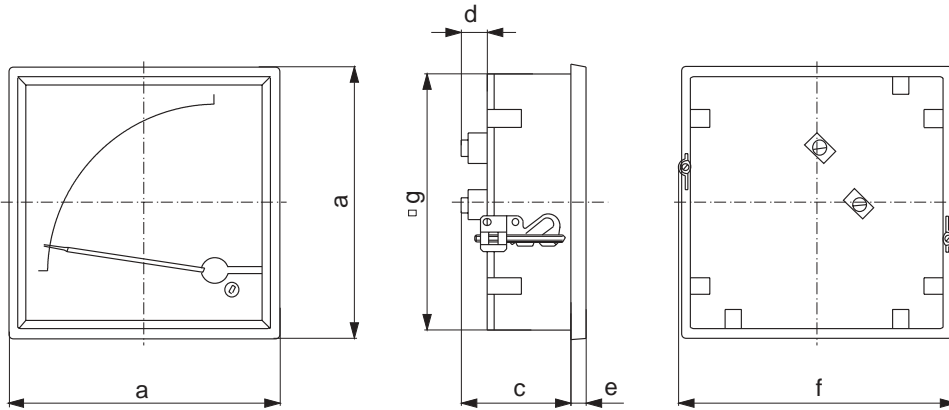
### VEGADIS 371



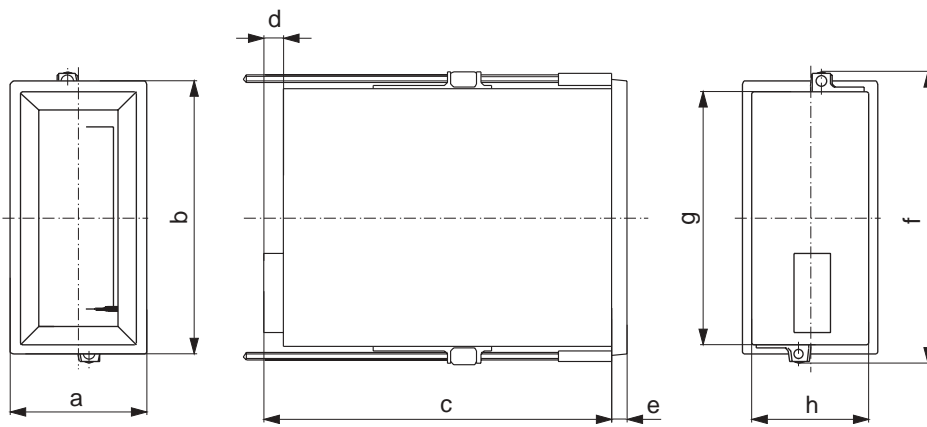
- Iso housing IP 65 for VEGADIS 371 see chapter "Signal conditioning instruments and communication"



## Moving coil ammeters



Type	a	c	d	e	f	g	Panel cut-out
48 x 48	48	54	16	5	52	42	45.5 x 45.5
72 x 72	72	53	10	5	76	66	68 x 68
96 x 96	96	53	10	5	100	90	92 x 92
144 x 144	144	53	14	8	148	136	138 x 138



Type <sup>1)</sup>	a	b	c	d	e	f	g	h	Panel cut-out
72 x 24	24	72	101	11	5	82	67.5	21.0	68 x 22.2
72 x 36	36	72	95	6	5.5	82	67.5	32.2	68 x 33
96 x 24	24	96	119	10	6	99	90	21.0	91 x 22.2
96 x 48	48	96	110	9	5.5	106	91.5	45.5	92 x 45
144 x 72	72	144	174	10	8	154	137	67	138 x 68
192 x 96	96	192	235	14	8	202	184	89	186 x 91

<sup>1)</sup> Standard version vertical scale, on request horizontal scale