



Digital panel meter with processor based technology 5-digit

PVE5

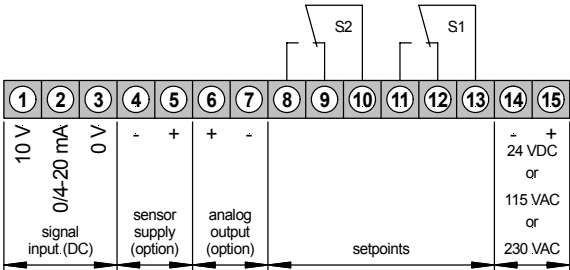
- Galvanically insulated
- 2 free scalable setpoints/hysteresis
- Analog output galvanically insulated
- Sensor supply galvanically insulated
- Min/max memory

Digital panel meter

- Direct voltage
- Direct current



- **Direct voltage, direct current**



Transmitter connection see page 4

Power supply 230 VAC

ORDER NUMBER OF TYPE
(without options)

PVE 5.001.3522B

Power supply 115 VAC

PVE 5.001.3422B

Power supply 24 VDC (galv. insulated)

PVE 5.001.3722B

OPTIONS	Additional price	
	EUR	
LED green	x	
Protection IP54	x	6,15
Protection IP65	x	10,25
Plug in terminal with protection IP40	x	14,30
Plug in terminal with protection IP54	x	20,45
Plug in terminal with protection IP65	x	24,55
Sensor supply 24 VDC/20 mA (supply voltage 230/115 VAC)	x	24,55
Sensor supply 10 VDC/20 mA (supply voltage 230/115 VAC)	x	24,55
Sensor supply 24 VDC/50 mA (supply voltage 24 VDC galv. insulated)	x	35,80
Sensor supply 10 VDC/20 mA (supply voltage 24 VDC galv. insulated)	x	35,80
<i>The sensor supply is galv. insulated from the measuring input !</i>		
Analog output 0-10 VDC/12 bit (supply voltage 230/115 VAC)	x	61,35
Analog output 0-20 mA/load 500 Ω/12 bit (supply voltage 230/115 VAC)	x	76,70
Analog output 4-20 mA/load 500 Ω/12 bit (supply voltage 230/115 VAC)	x	76,70
Analog output 0-10 VDC/12 bit (supply voltage 24 VDC galv. Insulated)	x	97,15
Analog output 0-20 mA/load 500 Ω/12 bit (supply voltage 24 VDC galv. Insulated)	x	102,25
Analog output 4-20 mA/load 500 Ω/12 bit (supply voltage 24 VDC galv. insulated)	x	102,25
<i>The analog output is galv. insulated from the measuring input !</i>		
Measuring input 0-1 mA (S10)	x	15,35
Dimension strips selectable	x	
Other power supplies on demand	x	

Technical data

Dimension	Housing Assembly cut out Fastening Housing material Protective system	B96 x H24 x T134 mm, including screw terminal (T=148 mm, including plug in terminal) 92.0 ^{+0.8} x 22.0 ^{+0.6} mm special quick plastic clamp proper to fix in wall thickness up to 50 mm PC/ABS-blend, colour black, UL94V-0 at the front IP40 connection IP00
	Weight Connection	approx. 0.29 kg at the rear side via terminals up to 2.5 mm ²

Technical data

Measuring input

PVE5.001....

Direct voltage

Direct current

Measuring range

Input resistance

0-10 V, 0-20 mA - 4-20 mA – all ranges selectable via connection terminal

Ri with 10 V = 100 K Ω 20 mA = ~100 Ω

Output

Relay output

230 VAC/2 A – 120 VDC/0.5 A

Analog output

0-10 VDC (12 bit)

0-20 mA (12 bit) load max. 500 Ω

4-20 mA (12 bit) load max. 500 Ω

The analog output is galv. insulated from the measuring input.

Sensor supply

PVE5.001....

for 24 VDC/DC

for 115/230 VAC

(galv. insulated from the measuring input)

24 VDC/50 mA – 10 VDC/20 mA (other sensor supplies/performances on demand)

24 VDC/20 mA – 10 VDC/20 mA (other sensor supplies/performances on demand)

Accuracy

Resolution

Measuring fault

Temp. drift

-9999 up to 55000

+/-0.1% of measuring range, +/-2 digit

~ 80 ppm/K

Power unit

Supply voltage

Power consumption

230/115 VAC +/-10% (50-60 Hz), 24 VDC (+/-10%) galv. insulated

max. 5 VA

Indication

Display

Overflow

Indication time

Working temperature

Storing temperature

LED with 7 segments, 14 mm high, rot

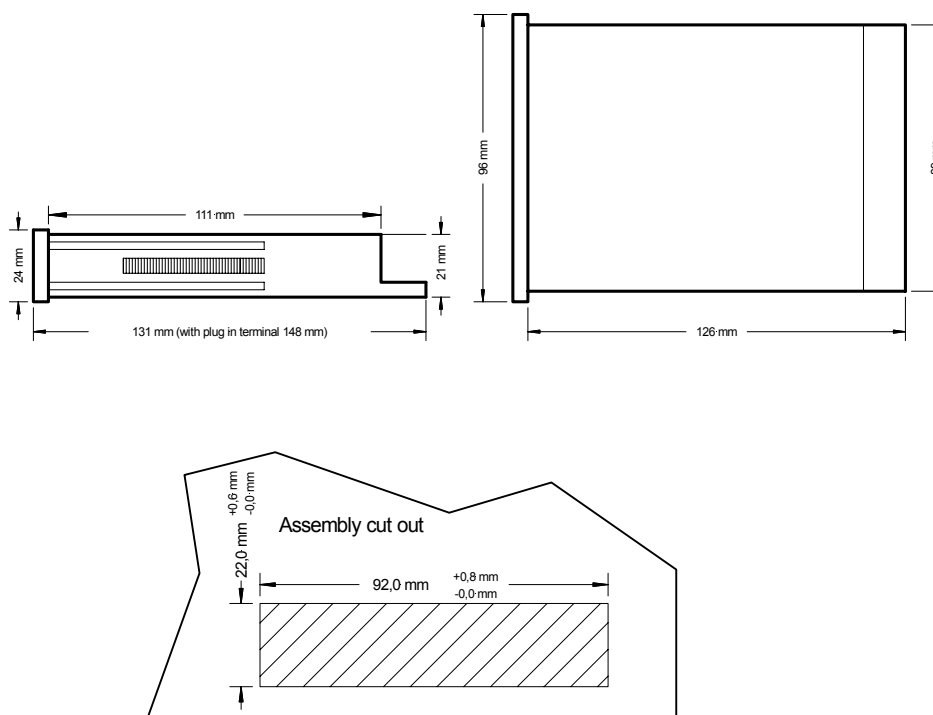
Indication of 5 transversal bars

from 0.5 up to 10 sec. adjustable

0 up to +60°C

-20 up to +80°C

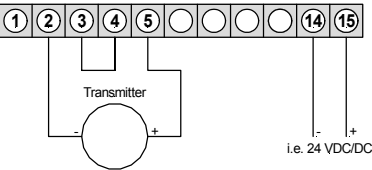
Housing:



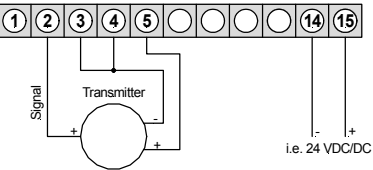
Connection diagrams

PVE instruments voltage resp. current input

2-wire: 4-20 mA



3-wire: 0-20 mA



3-wire: 0-10 V / 0-5 V
0-1 V / 1-6 V

