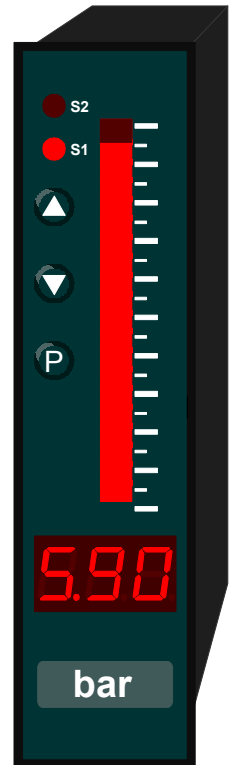


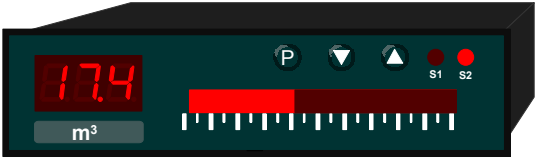
Bargraph with microprocessor based technology
3-digit
Vertical or horizontal

PBHD2, PBVD2

- Galvanically insulated
- 2 free scalable setpoints/hysteresis
- Optical setpoint indication
- Sensor supply galvanically insulated
- Programmable bases for linearization
- Analog output (galv. insulated)
- Min/Max memory



Bargraph



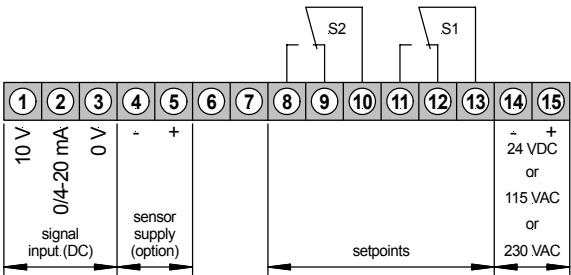
PBHD



PBVD

- Direct voltage
- Direct current

• *Direct voltage, direct current*



(Transmitter connections see last page)

ORDER NUMBER OF TYPE
(without options)

Power supply 230 VAC	(vertical)	PBVD 2.001.3522B
	(horizontal)	PBHD 2.001.3522B
Power supply 115 VAC	(vertical)	PBVD 2.001.3422B
	(horizontal)	PBHD 2.001.3422B
Power supply 24 VDC (galv. insulated)	(vertical)	PBVD 2.001.3722B
	(horizontal)	PBHD 2.001.3722B

OPTIONS

	PBVD... Direct voltage	Additional price
		EUR
Protection IP54 at the front	x	6,15
Protection IP65 at the front	x	10,25
Plug in terminal	x	14,30
Sensor supply 24 V/50 mA	x	24,55
Sensor supply 18 V/30 mA	x	24,55
Sensor supply 24 V/50 mA (supply voltage 24 VDC galv. insulated)	x	35,80
Sensor supply 18 V/30 mA (supply voltage 24 VDC galv. insulated)	x	35,80
Analog output on demand	x	
Other power supplies on demand	x	
Dimension strips selectable	x	
LED green on demand	x	

Technical data

Dimensions	Housing Assembly cut out Fastening Housing material Protective system	B96 x H24 x T131 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. 0,3 kg At the rear side via terminals up to 2.5 mm²

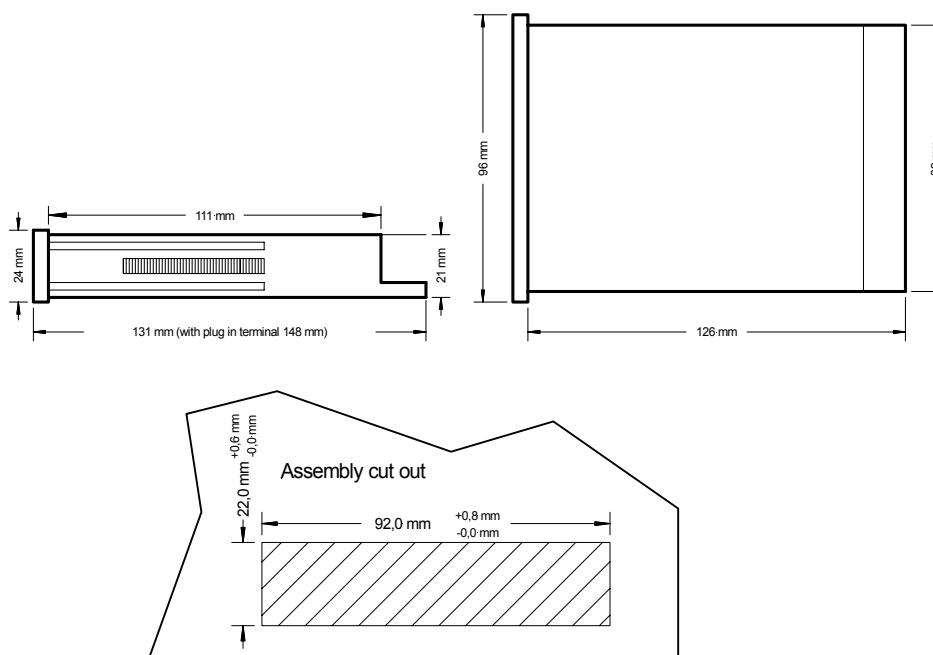
PBVD, PBHD

96x24

Technical data

Input	Measuring range	0-10 V, 0/4-20 mA – all ranges selectable via connection terminal
	Input resistance	Ri with 10 V = ~83 K Ω 20 mA = ~100 Ω
Output	Sensor supply	18 VDC/30 mA – 24 VDC/50 mA with power supply 24 VDC/DC (other supplies on demand) 18 VDC/30 mA – 24 VDC/20 mA with power supply 230/115 VAC (other supplies on demand) The sensor supply is galv. insulated from the measuring input!
	Relay output	Load 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!
Accuracy	Resolution	-99 up to +999
	Measuring fault	+/-0.2% of measuring range, +/- 1 digit with digital indication, 1 segment with bargraph indication
	Temp. drift	50 ppm/K
	Measuring principle	voltage/frequency converter
Power unit	Supply voltage	230/115 VAC +/- 10% (50-60 Hz), 24 VDC (+/-10%) galv. insulated
	Power consumption	approx. 5 VA
Indication	Display	LED with 7 segments, 7 mm high, red 3 digits = indication 999 / bargraph indication 20 points
	Overflow	indication of 3 transversal bars
	Measuring time	From 0,1 up to 10,0 sec. adjustable
Ambient conditions	Working temperature	0 up to + 60 °C
	Storing temperature	-20 up to + 80°C
Special features	Linearization	8 additional programmable base points

Housing:



Connection diagram

Bargraph with voltage and current input

2-wire: 4-20 mA

3-wire: 0-20 mA
4-20 mA

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

