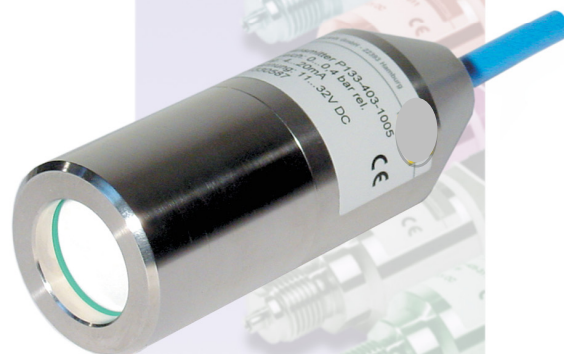


- Stainless steel housing 1.4404, IP 68
- Plastic housing PP or PVDF
- Ranges from 40 mbar to 60 bar
- Accuracy $\leq 0,2\%$
- Ex II 1G EEx ia IIC T4
- Cable according Bg VV-1.12.96-Specifications
- Optional integrated Pt 100 / Pt 1000 Sensor for temperature measurement



Level Transmitter P 133

Technical data:



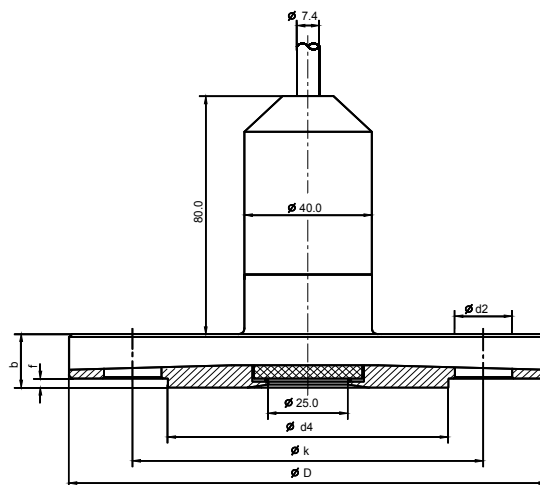
Ranges:	0...40 mbar to 0...60 bar
Output signal:	4...20 mA, 2-wire
Accuracy:	$\leq \pm 0,2\%$ FS @ 25°C
Response time:	200 ms (other available on request)
Supply voltage:	9...30V DC (12...30V Ex-version)
Ambient temperature:	-25...80 °C (-20...70 °C at EEx ia IIC T4)
Temperature coeff.:	$\leq \pm 0,02\%$ FS/K
Long term stability:	$\leq \pm 0,2\%$ FS p. a.
Housing:	stainless steel, 1.4404, IP 68
Weight of sensor:	approx. 0,5 kg
Weight of cable:	0,5 kg / 10m
Electrical connection:	PE cable with pressure compensation capillary and filter

Ranges

range in bar		range in mH ₂ O		overload (bar)
0...40 mbar*	A8	0...400 mmH ₂ O*	W8	-0,3/4
0...50 mbar*	B0	0...500 mmH ₂ O*	W0	-0,3/4
0...60 mbar*	A9	0...600 mmH ₂ O*	W9	-0,3/4
0...100 mbar	00	0...1 mH ₂ O	50	-0,3/4
0...160 mbar	01	0...1,6 mH ₂ O	51	-0,5/6
0...200 mbar		0...2 mH ₂ O	W1	-0,5/6
0...250 mbar	02	0...2,5 mH ₂ O	52	-0,5/6
0...400 mbar	03	0...4 mH ₂ O	53	-1/6
0...500 mbar	B7	0...5 mH ₂ O	W2	-1/6
0...600 mbar	04	0...6 mH ₂ O	54	-1/10
0...1,0 bar	05	0...10 mH ₂ O	55	-1/10
0...1,6 bar	06	0...16 mH ₂ O	56	-1/18
0...2,0 bar	B3	0...20 mH ₂ O	W3	-1/18
0...2,5 bar	07	0...25 mH ₂ O	57	-1/18
0...4,0 bar	08	0...40 mH ₂ O	58	-1/25
0...6,0 bar	09	0...60 mH ₂ O	59	-1/40
0...10 bar	10	0...100 mH ₂ O	60	-1/40
0...16 bar	11	0...160 mH ₂ O	61	-1/40
0...20 bar	B5	0...200 mH ₂ O	W5	-1/40
0...25 bar	12	0...250 mH ₂ O	62	-1/40
0...40 bar	13	0...400 mH ₂ O	63	-1/60
0...60 bar	14	0...600 mH ₂ O	64	-1/100

* accuracy 0,5%

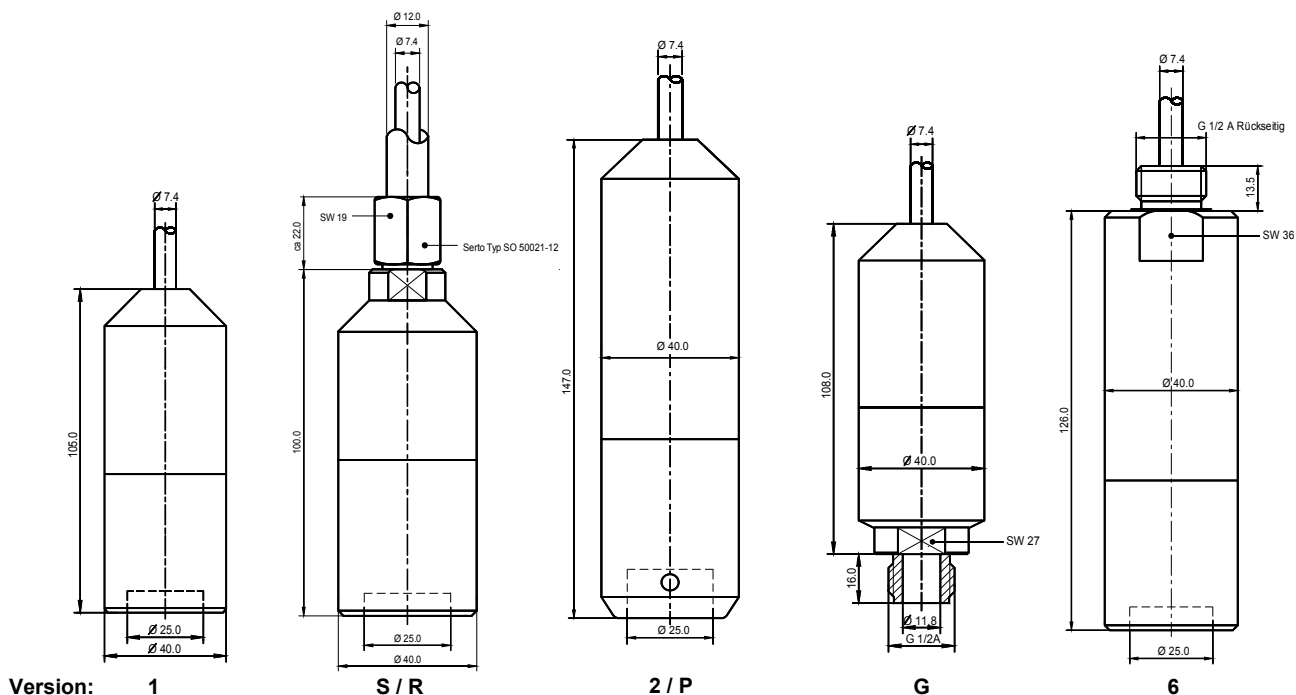
Dimensions (mm)



DN	PN	D	b	d2	k	f	d4	Bohrungen/Hole
25	10 - 40	115	18	14	85	2	68	4
40	10 - 40	150	18	18	110	3	88	4
50	10 - 40	165	20	18	125	3	102	4
80	10 - 40	200	24	18	160	3	138	8

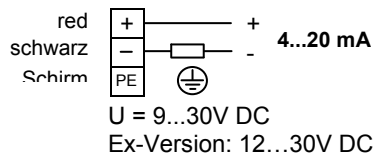
Anschluß / Connection DIN 2527 (mm)

Dimensions (mm)

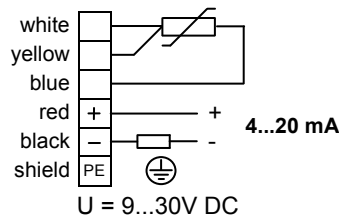


Electrical connections

4...20 mA, 2-wire



4...20 mA, 2-wire and Pt 100 / Pt 1000 sensor, 3-wire



Modifications reserved without notice, 10.11



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www.air-eau.com

Output signal

- 4 4...20 mA 2-wire
 E 4...20 mA 2-wire  II 1G EEx ia IIC T4
 H 4...20 mA 2-wire -25...120 °C
 T 4...20 mA 2-wire, and Pt 100 3-wire
 F 4...20 mA 2-wire, and Pt 1000 3-wire

Range

See table at page 2

99 Special range

Version / material sensor housing

- 1 1.4404 40 mm Ø
 2 Synthetics polypropylene
 4 1.4404 G ½ A u. G ¼ female
 6 1.4404 G ½ A at the cable lead in
 G 1.4404 G ½ A and 11,8mm pressure port
 P Synthetics PVDF
 7 1.4404 G ½ A, housing welded,
 Ermeto-fitting at the top
 8 1.4404 G ½ A u. G ¼ female, housing welded,
 Ermeto-fitting at the top
 S 1.4404 40 mm Ø, housing welded,
 12 mm Serto-fitting at the top
 R 1.4404 40 mm Ø 12 mm Serto-fitting at the top
 U Flange DN25 / PN40 DIN 2501 1.4404
 A Flange DN40 / PN40 DIN 2501 1.4404
 B Flange DN50 / PN40 DIN 2501 1.4404
 C Flange DN80 / PN40 DIN 2501 1.4404
 1L 40 mm Ø 1.4539 (904L)
 4L G ½ A and G ¼ female 1.4539 (904L)
 GL G ½ A and 11,8 mm pressure port 1.4539 (904L)
 1B 40 mm Ø GC-CuSn12 (Bronze)
 GB G ½ A and 11,8 mm pressure port GC-CuSn12 (Bronze)
 UB Flange DN25 / PN 40 DIN 2501 GC-CuSn12 (Bronze)
 AB Flange DN40 / PN 40 DIN 2501 GC-CuSn12 (Bronze)
 9 Special accomplishment

Std. cable length

- 002 2m cable
 005 5m cable Length from 5m to 50m only in 5m intervals
 010 10m cable
 050 50m cable Length from 50m only in 10m intervals
 Special lengths quote in meters

Material cable

- 0 PE cable
 1 FDR 25 cable (Diesel oil resistant)
 2 PUR cable
 3 PTFE (on request)
 4 HDPE

Sensor seal

- 1 FPM (Viton) Standard
 2 NBR (Nitril)
 3 EPDM-Kautschuk
 5 Chemraz 505

Options

- R Ceramic sensor 99,9% Al₂O₃

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