


- Stainless steel housing 1.4404 (316L), IP 68
- Plastic housing PP or PVDF
- Ranges from 40 mbar to 60 bar
- Global error < 0,2% F.S. (*)
- High overload capability
-  II 1G EEx ia IIC T4/T6
- Cable according Bg VV-1.12.96-
- Specifications, suitable for food and drinking water
- Marine approval, Germanischer Lloyd



Level transmitter P 133

Technical data:

Ranges:	0...40 mbar to 0...60 bar
Output signal:	4...20 mA, 2-wire
Global error:	< 0,2% F.S. *
Response time:	200 ms (other available on request)
Supply voltage:	9...32V DC, max. 30 mA (12...30V Ex-version)
Ambient temperature:	-25...80 °C (-25...70 °C at EEx ia IIC T4) (-25...50 °C at EEx ia IIC T6)
Thermal drift:	< 0,015%/K (span)
Housing:	stainless steel, 1.4404, IP 68
Weight of sensor:	approx. 0,5 kg
Weight of cable:	0,5 kg / 10m
Electr. connection:	PE cable, wire 0,34 mm ² , with pressure compensation capillary with filter and Kevlar strain relief cord

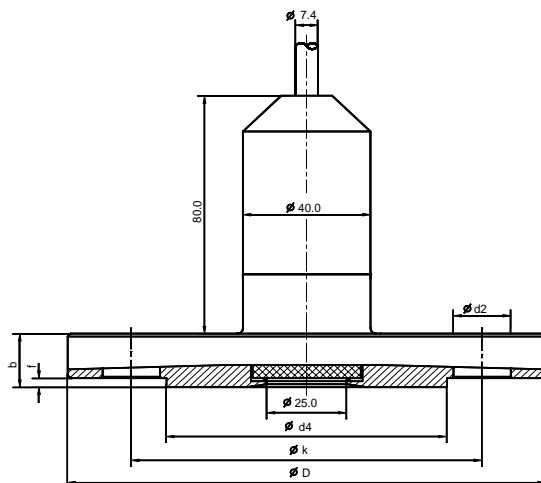
Ranges

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	-0,6/5
0...200 mbar	B1	0...2 mH ₂ O	W1	-1/6
0...250 mbar	02	0...2,5 mH ₂ O	52	-1/6
0...0,4 bar	03	0...4 mH ₂ O	53	-1/6
0...0,5 bar	B7	0...5 mH ₂ O	W2	-1/6
0...0,6 bar	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

* Global error 0,5%

other ranges on request

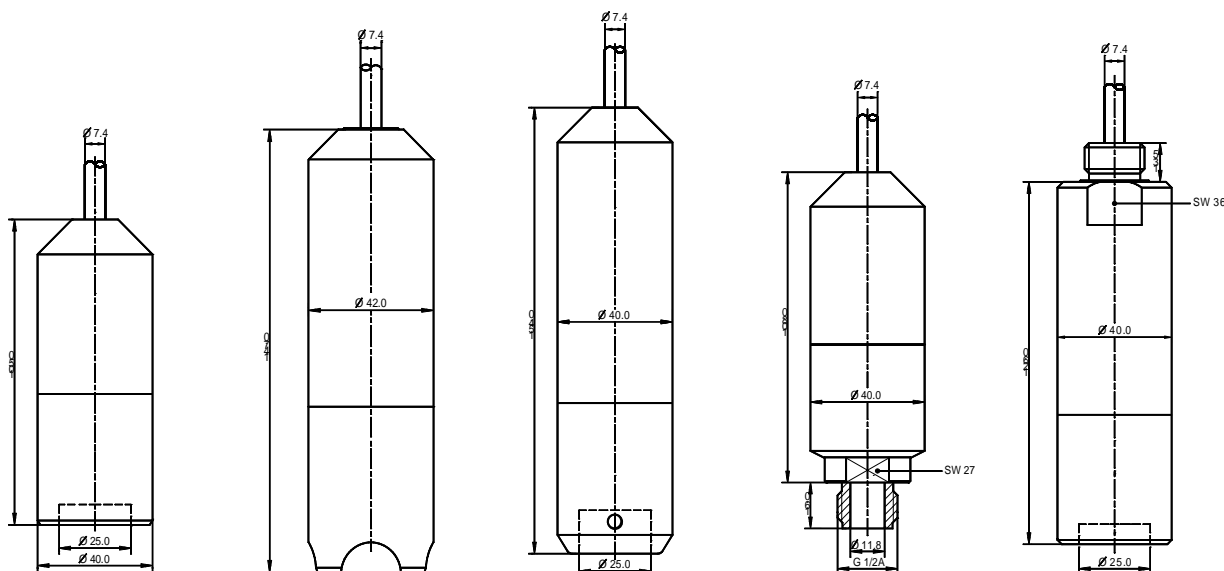
Dimensions



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

Anschluß nach DIN 2501 Maße in (mm)

Dimensions



Version: 1

2

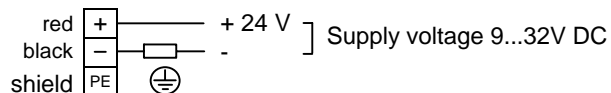
T/P

G


6

Electrical connections

4...20 mA, 2-wire



Output signal

- 4 4...20 mA 2-wire
- E 4...20 mA 2-Leiter  II 1G EEx ia IIC T4/T6
- H 4...20 mA 2-wire -25...120 °C

Range

See table at page 2
99 non standard range

Version / material sensor housing

- 1 semi flush mounting sensor, 1.4404 (316L), case Ø 40 mm
- 2 semi flush mounting sensor, case polypropylene
- 4 recessed sensor, G ½ male and G ¼ female, 1.4404 (316L)
- 6 semi flush mounting sensor, G ½ male conduit connection, 1.4404 (316L)
- G G ½ male with Ø 11,8 mm bore, 1.4404 (316L)
- P semi flush mounting sensor, case PVDF
- T recessed sensor, case 147 mm long, with 2 flushing holes, 1.4404 (316L)
- 7 semi flush mounting sensor, case welded, G ½ male with conduit fitting
- 8 semi flush mounting sensor, case welded, G ½ male / G ¼ female for conduit fitting, case 1.4404 (316L)
- S semi flush mounting sensor, case welded, 1.4404 (316L), Ø 40 mm, with Ø 10 mm conduit fitting
- R semi flush mounting sensor, case Ø 40 mm, 1.4404 (316L) with Ø 10 mm conduit fitting
- U flange DN25 / PN40 DIN 2501 1.4404 (316L)
- A flange DN40 / PN40 DIN 2501 1.4404 (316L)
- B flange DN50 / PN40 DIN 2501 1.4404 (316L)
- C flange DN80 / PN40 DIN 2501 1.4404 (316L)
- 1L semi flush mounting sensor, case Ø 40 mm, 1.4539 (904L)
- 4L recessed sensor, G ½ male / G ¼ female, case Ø 40 mm, 1.4539 (904L)
- GL recessed sensor, G ½ male with 11,8 mm bore, case Ø 40 mm, 1.4539 (904L)
- 1B semi flush mounting sensor, case Ø 40 mm, GC-CuSn12 (naval brass)
- GB recessed sensor, case Ø 40 mm, G ½ male with Ø 11,8 mm bore, GC-CuSn12 (naval brass)
- UB flange DN25 / PN 40 DIN 2501 GC-CuSn12 (naval brass)
- AB flange DN40 / PN 40 DIN 2501 GC-CuSn12 (naval brass)
- 9 special design, on request

Std. cable length

- 002 2m cable from 5m to 50m
 - 005 5m cable only in 5 m intervals
 - 010 10m cable
 - 050 50m cable from 50 m only in 10m intervals
- Special lengths on request

Material cable

- 0 PE cable
- 1 FDR 25 cable (marine approval, high temperature)
- 2 PUR cable
- 3 PTFE (Teflon) on request

Sensor seal

- 1 FPM (Viton) Standard
- 2 NBR (Nitril)
- 3 EPDM
- 4 Fluor-Silicon
- 5 Kalrez
- 6 HNBR

Options

- R Ceramic sensor 99,9% Al₂O₃

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