

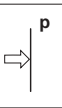
Pressure - Process pressure

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VEGABAR 10:



VEGABAR series 10 pressure transmitters are developed for process pressure measurement of liquids, gases and abrasive products. Application-optimised housings and materials ensure the universal use even under arduous conditions. The main point are the small process fittings from 1/2" to 1". Easy adjustment, terminal connection and optional display characterise this instrument. VEGABAR 14 and VEGABAR 17 pressure transmitters complete the range for standard applications. Depending on the application, you can choose between intrinsically safe, highly overload resistant, front-flush instruments or versions for high pressure measuring ranges.



Measuring cell technology

Ceramic-capacitive measuring cells -1...60 bar

- excellent long-term stability
- high corrosion resistance
- high overload resistance



Piezoresistive measuring cell -1...16 bar

- front-flush diaphragm 316L
- product temperature up to 150°C
- vacuum resistant



Thin film strain gauge measuring cell 25...600 bar

- dry measuring cell
- small process fittings
- high long-term stability



Overview

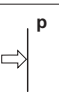
VEGABAR 14



VEGABAR 17



Measuring cell:	CERTEC®	piezoresistive/thin film strain gauge front-flush
Measuring range:	-1...60 bar	-1...600 bar
Deviation in characteristics:	0.5 %	0.5 %
Product temperature:	-40...+100°C	-40...+125°C (+150°C with cooling element)
Standard signal:	4...20 mA two-wire	4...20 mA two-wire

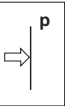


VEGABAR 14

Process pressure transmitter with CERTEC®

Suitable for pressure measurements of gases, vapours and liquids

- dry, ceramic-capacitive sensor element
- 4...20mA two-wire system with a supply voltage of 12...30V DC
- characteristic deviation 0.5%
- long-term stability 0.1%/2 years



Approval

.X without

Pressure / Measuring range

- 1S rel. / 0...0.1 bar (0...10 kPa)
- 1T rel. / 0...0.25 bar (0...25 kPa)
- 1U rel. / 0...0.4 bar (0...40 kPa)
- 1V rel. / 0...0.6 bar (0...60 kPa)
- 1A rel. / 0...1 bar (0...100 kPa)
- 1B rel. / 0...1.6 bar (0...160 kPa)
- 1C rel. / 0...2.5 bar (0...250 kPa)
- 1D rel. / 0...4 bar (0...400 kPa)
- 1E rel. / 0...6 bar (0...600 kPa)
- 1F rel. / 0...10 bar (0...1000 kPa)
- 1G rel. / 0...16 bar (0...1600 kPa)
- 1H rel. / 0...25 bar (0...2500 kPa)
- 1I rel. / 0...40 bar (0...4000 kPa)
- 1J rel. / 0...60 bar (0...6000 kPa)
- 3T rel. / -0.1...+0.1 bar (-10...+10 kPa)
- 3U rel. / -0.2...+0.2 bar (-20...+20 kPa)
- 3A rel. / -0.5...+0.5 bar (-50...+50 kPa)
- 3B rel. / -1...+0.6 bar (-100...+60 kPa)
- 3W rel. / -1...+1 bar (-100...+100 kPa)
- 3C rel. / -1...+1.5 bar (-100...+150 kPa)
- 3D rel. / -1...+3 bar (-100...+300 kPa)
- 3E rel. / -1...+5 bar (-100...+500 kPa)
- 3F rel. / -1...+9 bar (-100...+900 kPa)
- 3G rel. / -1...+15 bar (-100...+1500 kPa)
- 2A abs. / 0...1 bar (0...100kPa)
- 2B abs. / 0...1.6 bar (0...160kPa)
- 2C abs. / 0...2.5 bar (0...250kPa)
- 2D abs. / 0...4 bar (0...400kPa)
- 2E abs. / 0...6 bar (0...600kPa)
- 2F abs. / 0...10 bar (0...1000kPa)
- 2G abs. / 0...16 bar (0...1600kPa)

Electrical connection / Protection

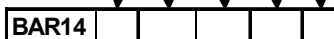
- A1 4-pole plug connection DIN43650-A PG9 / IP65
- C1 Direct cable outlet with 5 m cable / IP67
- M1 Circular plug conn.,4-pole w.screwed plug M12x1 / IP65

Process fitting / Material

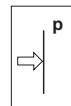
- GV G $\frac{1}{2}$ A, manometer connec. EN837 PN60 / 316L
- GP G $\frac{1}{2}$ A, inner G $\frac{1}{4}$ A PN60 / 316L
- GN $\frac{1}{2}$ NPT inner $\frac{1}{4}$ NPT PN60 / 316L
- GB M20x1.5 manometer connection EN837 PN60 / 316L

Seal measuring cell

- 1 FKM (Viton)
- 3 EPDM



- Customer-specific factory setting on request
- Further process fittings and options on request



VEGABAR 17

Process pressure transmitter with metal sensor

Suitable for pressure measurements of gases, vapours and liquids

- two-wire system 4...20 mA with a power supply of 10...30V DC
- characteristic deviation 0.5%



Approval

- Z** without
- A** ATEX II 1/2G, 2G EEx ia IIC T6
- D** ATEX II 1/2G, 2G EEx ia IIC T6+ATEX II 1/2D IP6X T+M1¹⁾
- S** ATEX II 1/2G, EEx ia IIC T6 + Ship approval

Process fitting / Material

- GDX** G $\frac{1}{2}$ B, manometer connection / 316Ti
- TBX** G $\frac{1}{2}$ A inner G $\frac{1}{4}$ A / 1.4571(316Ti)
- 861** Thread G $\frac{1}{2}$ B, flush / 316Ti w. o-ring, >1.6 bar / NBR
- 86L** Thread G $\frac{1}{2}$ B, flush / 316Ti w. o-ring, >1.6bar / Viton
- 86B** Thread G $\frac{1}{2}$ B, flush / 316Ti w.o-ring, >1.6 bar / EPDM
- 851** Thread G1B, flush / 316Ti w.o-ring, up to 1.6bar / NBR
- 85L** Thread G1B, flush/316Ti w.o-ring, up to 1.6bar / Viton
- 85B** Thread G1B, flush / 316Ti w.o-ring, up to 1.6bar / EPDM
- 84L** Thread G1B, hygienic / 316Ti, max.25 bar / Viton²⁾
- 84B** Thread G1B, hygienic / 316Ti, max.25 bar / EPDM²⁾
- GBX** G $\frac{1}{4}$ B manometer connection / 316Ti
- NBX** Thread $\frac{1}{4}$ NPT / 316Ti
- NDX** Thread $\frac{1}{2}$ NPT / 316Ti

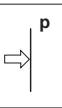
Pressure

- B** Gauge pressure
- S** Absolute pressure³⁾

Measuring range

- LA** -0.1...0 bar (-10...0 kPa)
- KA** -0.16...0 bar (-16...0 kPa)
- GA** -0.25...0 bar (-25...0 kPa)
- FA** -0.4...0 bar (-40...0 kPa)
- DA** -0.6...0 bar (-60...0 kPa)
- CA** -1...0 bar (-100...0 kPa)
- AL** 0...0.1 bar (0...10 kPa)
- AM** 0...0.16 bar (0...16 kPa)
- AN** 0...0.25 bar (0...25 kPa)
- BB** 0...0.4 bar (0...40 kPa)
- BC** 0...0.6 bar (0...60 kPa)
- BD** 0...1 bar (0...100 kPa)
- BE** 0...1.6 bar (0...160 kPa)
- BF** 0...2.5 bar (0...250 kPa)
- BG** 0...4 bar (0...400 kPa)
- BH** 0...6 bar (0...600 kPa)
- BI** 0...10 bar (0...1000 kPa)
- BK** 0...16 bar (0...1600 kPa)
- BL** 0...25 bar (0...2500 kPa)
- BM** 0...40 bar (0...4000 kPa)
- BN** 0...60 bar (0...6000 kPa)
- BO** 0...100 bar (0...10000 kPa)
- BP** 0...160 bar (0...16000 kPa)
- BQ** 0...250 bar (0...25000 kPa)
- BS** 0...400 bar (0...40000 kPa)
- BT** 0...600 bar (0...60000 kPa)

Continuation see next page



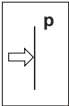
Welding sleeve VEGABAR

Version / Material / Outer- ϕ / Instrument

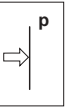
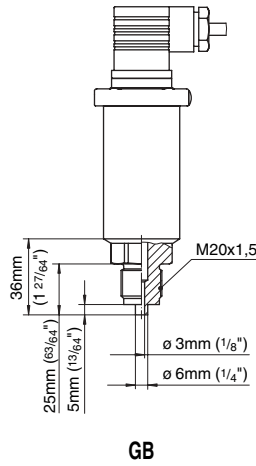
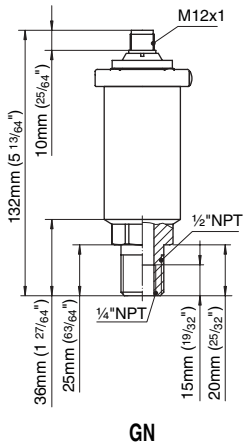
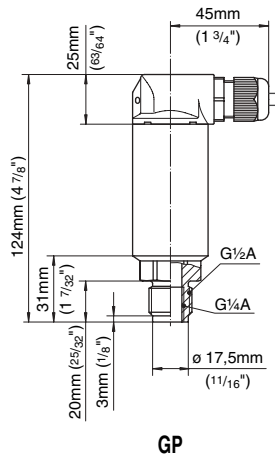
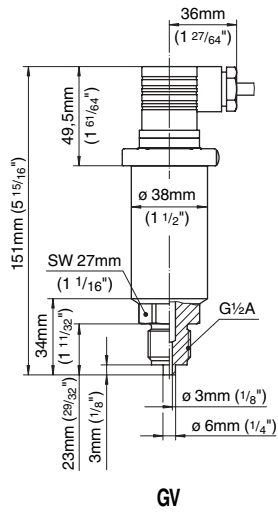
15986	M44x1.25 paper industry / 316Ti / ϕ 60x21 mm / BAR64/65
27866	G $\frac{1}{2}$ / 316Ti / ϕ 50x21 mm / BAR17/53
27867	G1 / 316Ti / ϕ 50x21 mm / BAR17/53/54
27868	G1 hygienic / 316L / ϕ 50x25.5 mm / BAR17/53
28673	G $\frac{1}{2}$ / 316L / ϕ 30x21 mm / BAR17/53
29642	G1 PASVE vessel / 316L / ϕ 40x67.5 mm / BAR54
29796	G $\frac{1}{2}$ / 316L / ϕ 30x21 mm / BAR54
29934	G1 PASVE pipeline / 316L / ϕ 30x67.5 mm / BAR54

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2.	
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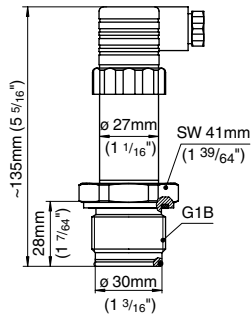


VEGABAR 14

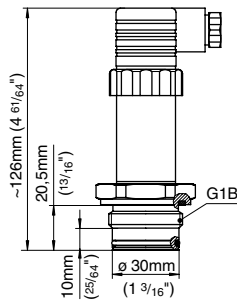


Specifications in mm or inch

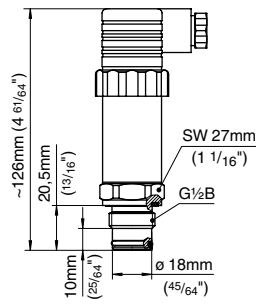
VEGABAR 17



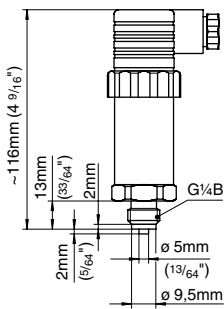
841/84L/84B



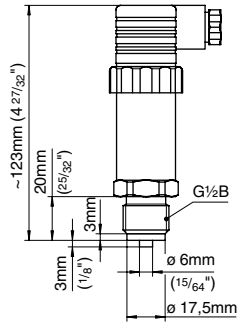
851/85L/85B



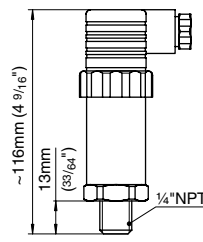
861/86L/86B



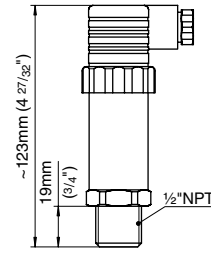
GBX



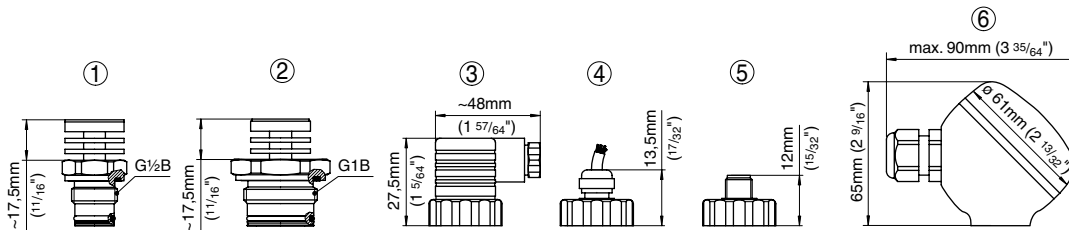
GDX



NBX



NDX



- 1 Cooling element G $\frac{1}{2}$ B
 - 2 Cooling element G1B
 - 3 Plug according to DIN 43650A
 - 4 Cable outlet
 - 5 Plug M12x1
 - 6 Terminal compartment
- Specifications in mm or inch