



VEGABAR 17

Process pressure transmitter with metal sensor

Application area

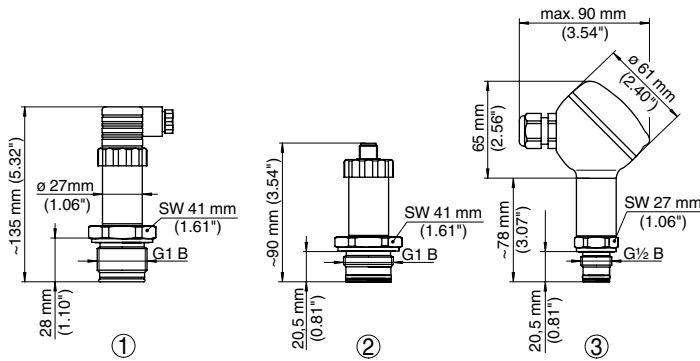
VEGABAR 17 is a pressure transmitter for measurement of gauge pressure and absolute pressure. Measured products are gases, vapours and liquids. The front flush versions are also suitable for use in viscous or contaminated products.

Advantages

- Two-wire system 4 ... 20 mA
- Zero and span adjustable
- Deviation < 0.5 %
- Small, compact dimensions
- Stainless steel housing with clamp connection or cable outlet
- Wetted parts of stainless steel

Function

The process pressure causes a resistance change in the sensor element via the stainless steel diaphragm. This change is converted into an appropriate output signal and outputted as measured value. With measuring ranges up to 16 bar, a piezoresistive sensor element with internal transmission liquid is used. From 25 bar, a strain gauge sensor element is used on the rear of the stainless steel diaphragm. This dry system operates without additional isolating liquid.



- 1 Threaded version G1 B, hygienic with angle plug connection DIN 43650
- 2 Threaded version G1 B, front-flush with plug connection M12x1
- 3 Threaded version G1/2 B, front-flush with terminal housing



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+M1
- 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 $\frac{3}{4}$ A inner G $\frac{1}{4}$ A / 1.4571(316Ti)
- 86L Thread G $\frac{1}{2}$ B, front flush / 316Ti w. o-ring, >1.6bar / FKM
- 85L Thread G1B, flush/316Ti w.o-ring, <= 1.6bar / FKM
- 84B Thread G1B, hygienic / 316Ti, max.25 bar / EPDM
- 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 pressure

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)
- BU 0...1000 bar (0...100000 kPa)

Electrical connection / Protection

- A4 Angle plug connector DIN43650 / IP65
- M4 Circular plug connector, 4-pole w. screwed plug M12x1
- EM Cable outlet PUR / IP 68 (0.5 bar)
- FW Terminal housing 316L with plastic threaded fitting / IP67

Cable length

- Z without
- C 1.5 m
- G 5 m

Features / Cleaning procedure

- Z Without
- A Oil and grease-free for oxygen applications
- G Fill fluid and materials suitable for foodstuffs

Temperature range

- A -30...100°C (standard product temperature)
- C -20...150°C (product temperature, with cooling element)
- U -20...80°C (ambient temperature with EEx ia)

Certificate / Standard

- Z no
- 1 Inspection certificate 3.1/EN10204 (material)

BR17.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.