

VEGABAR 53

Pressure transmitter with metallic measuring cell

Application area

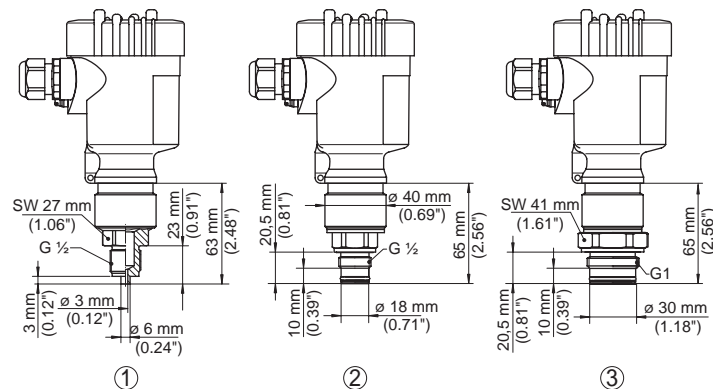
The VEGABAR 53 is a pressure transmitter for pressure measurement of gases, vapours and liquids. The VEGABAR 53 is the correct choice when small process fittings are required. Applications are found in all industries.

Advantages

- Universal use through completely welded measuring cell
- High measurement precision through vacuum resistant version
- Maximum reliability and safety through proven technology

Technical data

Measuring cell:	piezoresistive/thin film strain gauge
Measuring range:	-1 ... +1000 bar (-100 ... +100000 kPa)
Process fitting:	thread from G $\frac{1}{2}$, $\frac{1}{2}$ NPT flanges from DN 40 hygienic fittings
Process temperature:	-40 ... +150 °C
Deviation in characteristics:	0.2 %; 0.1 %; 0.075 %
SIL qualification:	up to SIL2



- 1 Threaded version G $\frac{1}{2}$, manometer connection EN 837
- 2 Threaded version G $\frac{1}{2}$, front-flush
- 3 Threaded version G1, front-flush

You will find further process fittings and options under www.vega.com/configurator.
You will find further drawings and tables under www.vega-america.com/en/downloads.htm.

Approval

- UX** FM(NI)CL I, DIV2, GP ABCD (DIP)CL II, III, DIV1, GP EFG
- UF** FM(IS)CL I, II, III, DIV 1, GP ABCDEF
- UG** FM(XP-IS) CLI, II, III, DIV 1, GP ABCDEFG
- KX** CSA(NI)CL I, DIV 2, GP ABCD(DIP)CL II, III, DIV1, GP EFG
- KF** CSA(IS)CL I, II, III, DIV1, GP ABCDEFG
- KG** CSA(XP-IS) CLI, II, III, DIV 1, GP ABCDEFG

Process fitting / Material

- GN** Thread ½NPT PN1000 / 316Ti
- GB** Thread ½NPT inner thread (ASME B1.20.1) PN1000 / 316L
- GD** Thread ½NPT, inner ¼NPT (ASME B1.20.1) PN600 / 316Ti
- CC** Clamp 1½" PN16(ø50.5mm) DIN32676, ISO2852 / 316L
- CA** Clamp 2" PN16(ø64mm) DIN32676, ISO2852 / 316L
- F1** Flange 1" 150lb RF, ANSI B16.5 / 316L
- FH** Flange 2" 150lb RF, ANSI B16.5 / 316L
- FI** Flange 3" 150lb RF, ANSI B16.5 / 316L

Seal measuring cell / Process temperature

- X** without / -30...105°C
- X** without / -40...105°C

Pressure / Measuring range

- U** rel. / 0...40.0bar (0...4000kPa)
- W** rel. / 0...100.0bar (0...10000kPa)
- X** rel. / 0...250.0bar (0...25000kPa)
- S** rel. / -1...0.6bar (-100...60kPa)
- O** rel. / -1...3.0bar (-100...300kPa)
- P** rel. / -1...5.0bar (-100...500kPa)
- Q** rel. / -1...15.0bar (-100...1500kPa)
- Z** rel. / 0...9000 psi

Electronics

- Z** 4 ... 20 mA
- H** 4...20mA/HART®
- P** Profibus PA
- F** Foundation Fieldbus

Housing / Protection

- K** Plastic / IP66/IP67
- A** Aluminium / IP66/IP67
- D** Aluminium double chamber / IP66/IP67
- V** StSt (precision casting) 316L / IP66/IP67
- 8** StSt (electropolished) 316L / IP66/IP67
- R** Plastic double chamber / IP66/IP67

Cable entry / Cable gland / Plug connection

- N** ½NPT / without / without

Indicating/adjustment module (PLICSCOM)

- X** without
- A** Mounted

Accuracy class

- M** 0.075 %
- E** 0.10%
- S** 0.20%

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