

VEGABAR 53

Pressure transmitter with metallic measuring cell

Application area

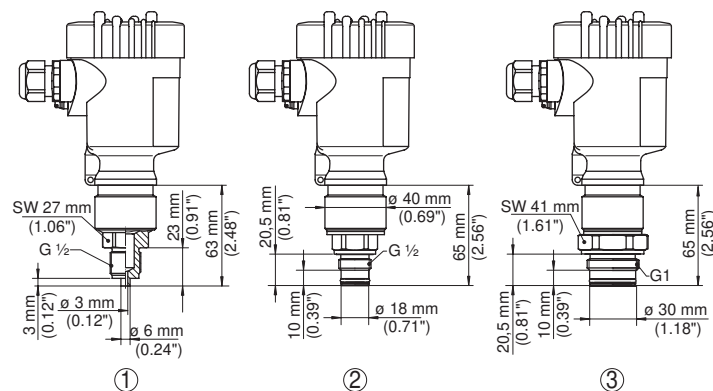
The VEGABAR 53 is a pressure transmitter for pressure measurement of gases, vapours and liquids. The VEGABAR 53 is the correct choice when small process fittings are required. Applications are found in all industries.

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
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Indicating/adjustment module (PLICSCOM)

X	without
A	Mounted

Accuracy class

M	0.075 %
E	0.10%
S	0.20%

BR53.

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