

Pressure gauge

low pressure design, stainless steel, liquid filled serie 2960
case dim 100 or 160 mm

E 02.17.02

Ed.23.01

Application	Industrial pressure gauge for low pressure in stainless steel version. Liquid filled case
Design	EN 837-3
Type	Serie 2960
WIKA model	633.50
Case size	Nominal size dim 100 or 160 mm
Accuracy	Class 1,6%
Case	Stainless steel with bayonet ring
Filling	Glycerin 86,5%
Window	Laminated safety glass
Pressure element	Stainless steel 316L
Movement	Stainless steel
Dial	Aluminium, white with black lettering
Pressure unit	mbar, Pa, kPa, mmvp or psi
Pressure connection	G3/8", G1/2" or 1/2"NPT male
Zero adjustment	Zero adjustment through window
Mounting	Lower or back mount, also with back flange, front flange or triangular bezel with clamp
Ingress protection	IP 65 acc.to EN 60529/IEC 529
Pressure limitation	Full scale value by steady pressure 90% of full scale value by fluctuating pressure
Permissible temperature	Medium temperature max -40 till +100°C Ambient temperature max -40 till +60° C
Certificates	Certificate EN 10204 can be delivered as options Test report wetted parts EN 10204-2.2 Inspection certificate wetted parts EN 10204-3.1
Calibration	Option with accredited calibration with calibration certificate according to ISO/IEC 17025:2018 (SWEDAC)
Production options	ATEX protection c with device cat 2G/2D Design acc.to NACE Sour Gas Service Accuracy cl 1,0% in pressure ranges from 0-40 mbar Design Degreased for oxygen services Dial with colored sectors or with customer logo



2960
Lower mount



2961
Back mount



2965
Lower mount
back flange



2967
Back mount
front flange



2968
Back mount
bezel and clamp



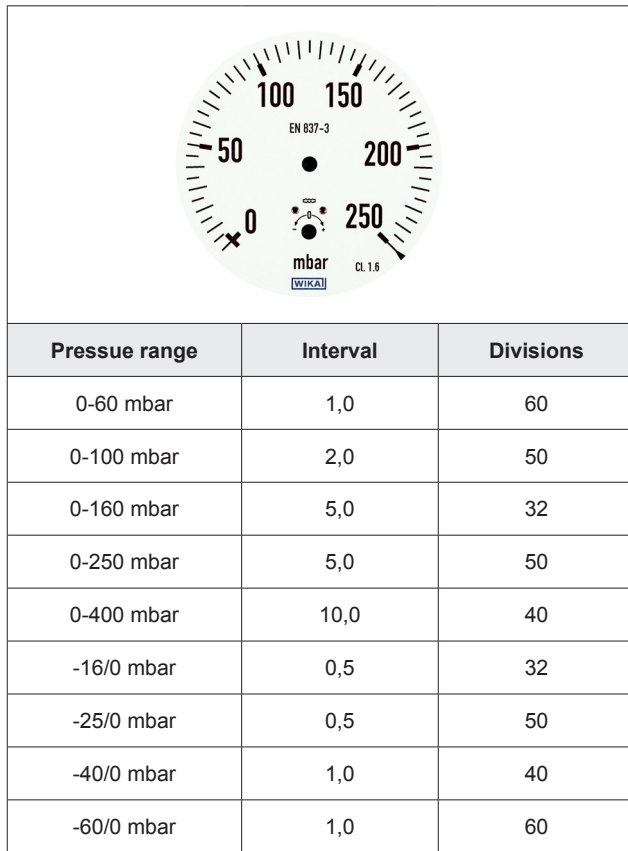
2969
Lower mount
front flange

Pressure gauge

low pressure design, stainless steel serie 2860

case dim 100 mm

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Accuracy

Max permissible error 1,6%

The accuracy is expressed as a percentage of full scale range. Permissible error 1,6% will cover 0% till 100% of scale range with a reference temperature of +20°C.

Ex. Pressure range 0-10 bar has an error of $\pm 1,6$ mbar

Temperature effect

Temperature of the measuring system over or under the reference temperature +20°C will effect the accuracy with 0,4 percentage per +10°C. With a medium temperature of +40°C the accuracy will be $\pm 2,8\%$.

Alternative design

Overpressure and vaccum safe

10 times overpressure safe from range 0-40 mbar

3 times overpressure safe in ranges < 0-40 mbar

10 times vacuum safe from range 0-40 mbar

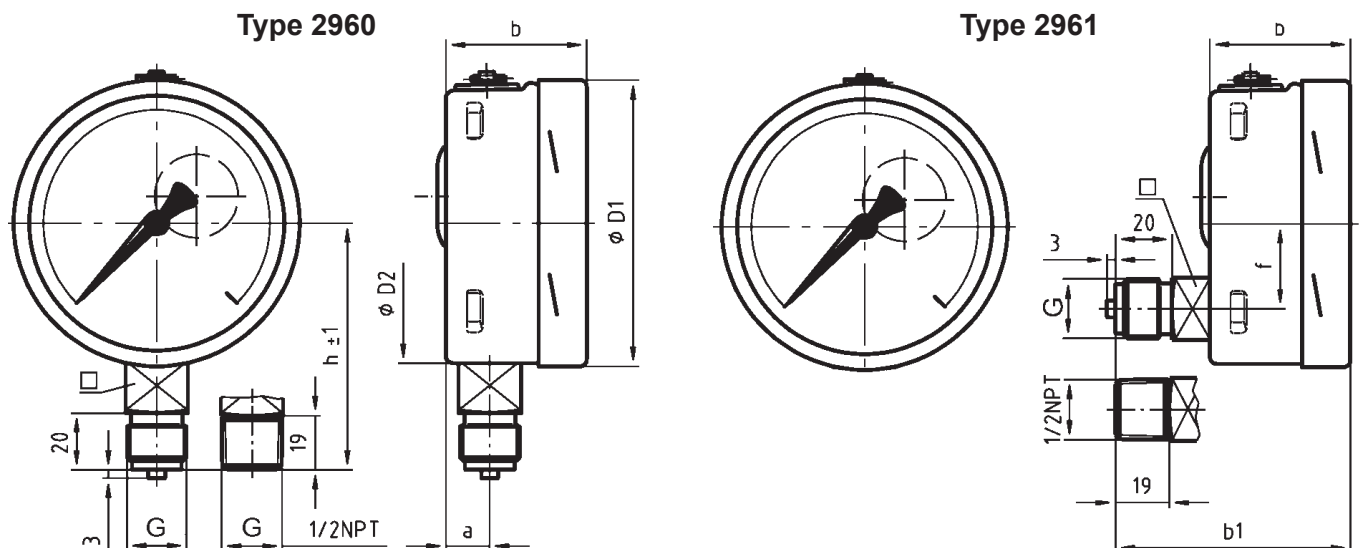
3 times vacuum safe in ranges < 0-40 mbar

With electrical contact

One or two electrical contact mounted in the case

Max- and/or minfunction

Type PGS43 datasheet PV 24.03



Dim Ø	a	b	b ₁	b ₂	D ₁	D ₂	e	f	SW	h±1	kg	G
100	15,5	49,5	49,5	83	101	99	17,5	30	22	87	0,6	G3/8, G1/2 or 1/2NPT
160	15,5	49,5	49,5	83	161	159	17,5	30	22	118	1,1	G3/8, G1/2 or 1/2NPT