DIFFERENTIAL PRESSURE GAUGE

with or without contacts Pressure levels PN40/PN100



Nominal diameter ND 100, NG 160



Description

This differential pressure gauges are suitable for overpressure, vacuum and differential pressure measurements in the field of industrial measurement technology.

These measuring instruments are suitable for liquid and gaseous media in so far as these are not aggressive or highly viscous and do not crystallise.

Applications

chemical industry petrochemical industry Process engineering Marine- and offshore technology Plant engineering Power plant technology

Merkmale

- · highly corrosion resistant
- wear-free measuring unit
- rinsable pressure chambers

Ranges

0 ... 40 mbar up to 0 ... 25 bar

different pressure connection

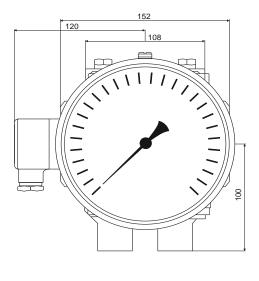
- Flange connection G1/2 female
- ¼ NPT, ½ NPT female
- G¹/₂ male
- ¼ NPT, ½ NPT male
- Cutting ring screw connection for 12mm pipe

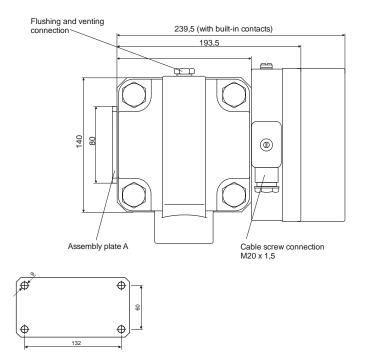
Technical data

Technical data	55	Options	
Туре	5593		Options
Symbol	Measuring cell Ø130 mm	Measuring cell Ø75 mm	
Nominal diameter	100		ND 160
Accuracy class	± 1,6%		
Differential pressure ranges	025 mbar up to 0 400 mbar	00,6 bar up to 0 25 bar	others on request
Nominal Pressure	PN40		PN100
Overload capability	on-sided over-pressure-proof up to the rated pressure of the measuring system resistance to under-pressure on the (+) and (-) side		
Case and Movement	CrNi-steel 1.4301 (AISI 304), bayonet		Case 1.4571
Measuring system	Pressure caps (PC) 1.4404 Measuring membranes (MM) ≤400 mbar 1.4571 ≥ 0,6 bar DURATHERM®		DK Hastelloy® C276/ MMHastelloy® C276 or DK 1.4404 / MM Hastelloy® C276
Window	Safety laminated glass		
Dial and pointer	Aluminium		Special scales, Marker pointer, Trailing pointer (from 60 mbar, not with contacts)
Seals	Viton® O-ring		PTFE coated
Zero-point adjustment	±25% of the measuring range		
Pressure connection	Flange connection similar to EN61518 with internal thread G½		1/4NPT, 1/2NPT female G½ male, 1/4NPT, 1/2NPT Connection pin, cutting ring screw connection of 1.4571 12 mm pipe
max. temperatures	Ambient -20+80°C Media 100°C Storage -1575°C		
Temperature influence	approx. 0,3%/10 K		
Protection	IP65 acc. to DIN EN 60529		
Mounting	Standard wall mounting		2" pipe mounting, panel mounting with front ring, direct panel mounting
Fluids	without contacts: glycerine with contacts: silicone oil		
Contacts	Magnetic snap-actin contact ab 100 mbar inductive contact		

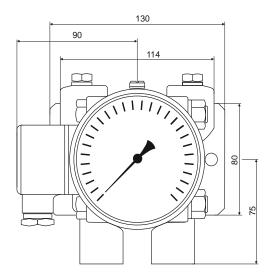


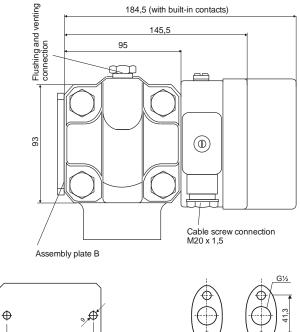
Measuring ranges 40 mbar ... 400 mbar



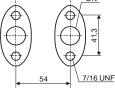


Measuring ranges 0,6 bar ... 25 bar





110



Both variants

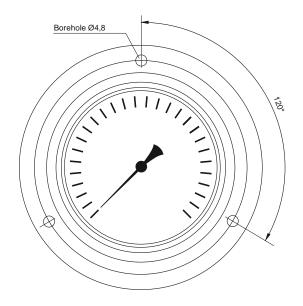
ND160: case diameter approx. 161 mm ND100: case diameter approx. 111 mm Page 3/4

Flange connection

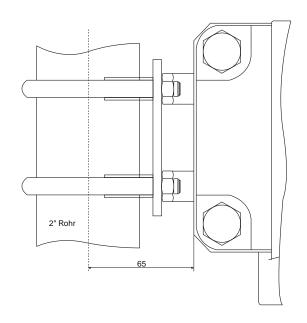
Modifications reserved!

Dimensional drawings Dimensions in mm Options

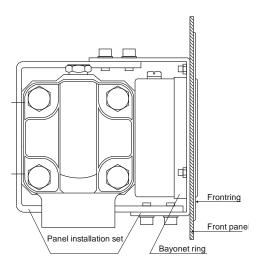
Front ring / panel cut-out



Pipe assembly



Panel installation



Direct panel mounting

