

All stainless steel pressure gauges according to EN 837-1

Nominal sizes ND 100 / 160

Connection position bottom, back central





Description

All stainless steel pressure gauges are ideal for hard conditions and the resulting high demands on pressure measurement in test benches and machine and apparatus construction. Resistance to aggressive media and environments is achieved by using high-grade materials such as stainless steel and NiSpan for the measuring system.

Glycerine filling provides wear-protection for the measuring system through damping, should pulsating pressures and mechanical vibrations occur. The measuring system is of accuracy class 1.6 respectively, has overrange protection up to 1.1 times the max. rating and can be loaded up to the full scale value.

The case and other components are made of stainless steel.

Special features

- o Measuring system of high corrosion-resistant material
- All stainless steel version compatible with most chemicals
- o Accuracy class 1.6
- Vibration-free display and long service life through glycerine fill

Measuring ranges

0 ... 1400 bar to 0 ... 4000 bar

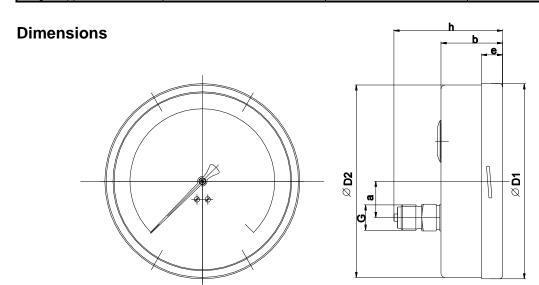
Applications

Machine and apparatus construction,
High pressure test benches and pumps

Models: P1716, P1717

Technical data

model	P1716	P1717	Options		
Nominal size	100	160			
Symbol					
Accuracy class according to EN 837-1	1.6				
Ranges	01400 bar to 0	≥ 2500 bar to 4000 bar with thread for ultra high pressure			
Applications					
≤ 1600bar	Constant load: up to full scale Dynamic load: up to 0,9 x full Short-time: overload capa				
> 1600 bar	Constant load: 3/4 x full scale Dynamic load: 2/3 x full scale Short-time: overload capa				
Case	Pressure relief opening (sealed				
Bezel	Stainless steel 1.4301 bayonet	Front flange triangular bezel, stainless steel			
Window	Safety glass				
Dial	Al. white, scale and imprint blac	Dual scale			
Pointer	Al. black				
Movement	Copper-alloy	Stainless steel			
Measuring element	Stainless steel up to 2760 bar Special alloy from ≥ 3000 bar				
Pressure connection	Stainless steel, 316 L				
- Position	Rear connection, eccentric				
- Thread	M16x1.5 female 60° cone	Other threads on request			
Temperatures - Medium - Ambient	Tmin20°C, Tmax. 80°C Tmin25°C, Tmax. 60°C				
Temperature coefficient	*	0,4% / 10K			
Liquid filling		none (prepared for filling)			
Protection Type	IP 65 EN 60 529 / IEC 529				
Throttle	Stainless steel 0.6		Other threads on request		
Accessories	Option: Contact cover plastic, max. 2 contacts	without			
weight approx.	0.7	1.1			



Model	Dimension in mm									
	NG	а	b	D1	D2	е	G	h ±1	SW	
P1716	100	17.7	54	101	100	17.5	M16x1.5	87	22	
P1717	160	17.7	54	161	160	17.5	M16x1.5	90	22	

Subject to technical alternations