

Differential Digital Pressure Gauge Model PY803D

Applications

- Industrial Process Control
- Differential Fluid Pressure Measurement
- Gas and Liquid Pressure Measurement
- Pressure Calibration Instruments
- Pressure Leakage Measurement

Special features

- Measuring ranges : -1 ... 20 bar
- Accuracy: up to 0.02 % F.S
- Isolated without “O” ring all-welded construction
- Suitable for a wide range of fluid media
- All stainless steel 316L
- High static pressure 20MPa
- For a wide range of fluids
- Pressure interface threads available



PY 803D differential pressure gauge

Description

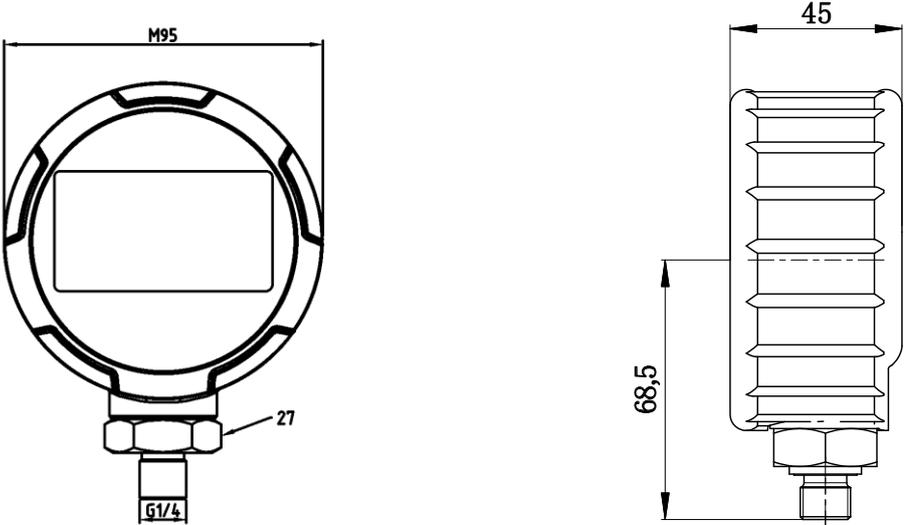
PY803D Differential Digital Pressure Gauge is very suitable for liquid and gas media measurement, solving the on-site differential pressure measurement. The product adopts integrated welded structure, high static pressure resistance value, stable and reliable.

The high and low pressure ends are protected by isolation diaphragms, and both pressure chambers can contact with certain corrosive and conductive fluids, which can be widely used in the industrial process control field for differential pressure measurement.

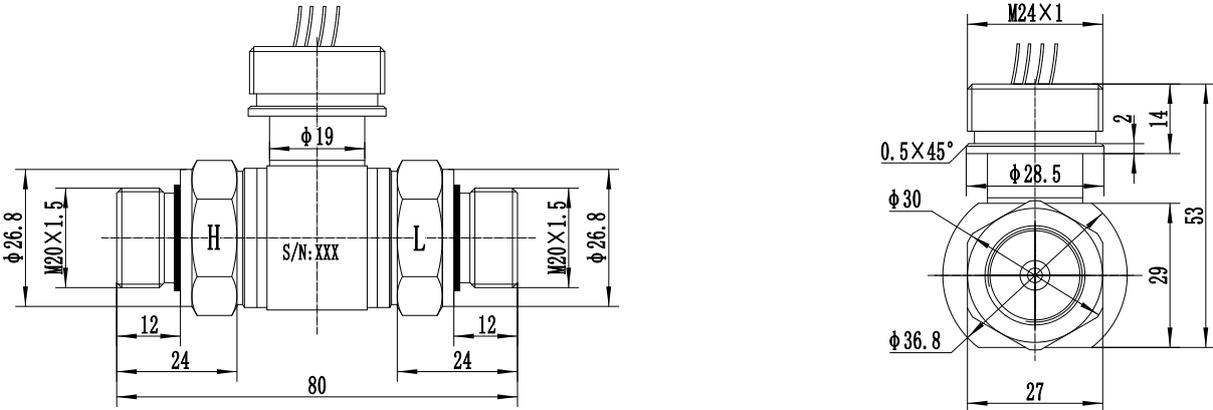
Specifications

Basic information	
Pressure types	
Gauge pressure	-1... 20 bar
Accuracy	0.02%FS , 0.025 %FS , 0.05 % FS , 0.1 % FS
Temperature compensation	-10...50 °C
Units	
Pressure	bar ,mbar, Pa, kPa, MPa, PSI, kg/cm ² , mmH ₂ O, mmHg, inHg
Display	
Type	Multifunctional LCD, 6 digit, with background lighting
Functions	Bar Graph, Pressure Units, Pressure Measurement, Min/Max, Overpressure Indication 120 % of Full Scale Pressure (F.S)
Process connection	
Thread	M20 x 1.5 or G1/2 or G1/4male thread, G1/4 B female thread,Others can be customized
Material	316L
Power supply	
Battery type	3x 1.5 V AA and 9vdc external adapter power supply,Explosion-proof type built-in one 14500 disposable lithium battery
Battery operation	8,000 h
Interface	RS 232 port
Housing	
Dimensions	Ø 100 mm, D=37 mm H=135 mm with protection cap
protective cover	Gray Silicone Protective Case
packing box	Aluminum alloy box or carton packaging
Ambient conditions	-20...70°C with air humidity ≤95%r.h.
Weight	650 g

Overall dimensions(mm)



Process connections (Unit: mm)



Measuring ranges

Overview pressure ranges				
Type	pressure ranges(bar)	Accuracy (± of full scale value)	media	Burst Pressure
GP 0.35	0...0.35	0.05(0.1,0.2)	Gas/Liquid	2X
GP 0.70	0...0.70	0.05(0.1,0.2)	Gas/Liquid	2X
GP 1	0...1	0.05(0.1,0.2)	Gas/Liquid	2X
GP 2	0...2	0.02(0.05,0.1,0.2)	Gas/Liquid	2X
GP 3.5	0...3.5	0.02(0.05,0.1,0.2)	Gas/Liquid	2X
GP 7	0...7	0.02(0.05,0.1,0.2)	Gas/Liquid	2X
GP 10	0...10	0.02(0.05,0.1,0.2)	Gas/Liquid	2X
GP 20	0...20	0.02(0.05,0.1,0.2)	Gas/Liquid	2X
GP 35	0...35	0.02(0.05,0.1,0.2)	Gas/Liquid	2X

Note:

The compensation temperature for 0.02 %FS is 20 ± 5 °C. The compensation temperature for 0.05 % FS is 0-50 °C. If the pressure is less than 100 mbar, the measuring medium is Gas. For pressures greater than 100 mbar, the measuring medium is Liquid or Gas.

Order code					
model	Accuracy	Pressure	Unit	Process connection	Power supply
PY 803D	A002(0.02%F.S) A005(0.05%F.S) A010(0.1%F.S)	Table of reference measuring ranges	bar psi MPa kg/cm ² kPa mbar mmHg mmHO inHg Pa	M20 x 1.5 male thread G1/2 male thread G1/4 male thread G1/4 female thread Other	N:3*1.5V AA batteries L: one 14500 disposable lithium battery
Example order number PY803D-A010-GP7(0...7)bar-G1/2 -N					