

Digital Pressure Gauge

Model PY805

Applications

- Suitable for all-weather collection in the field or harsh environments where external power supply cannot be provided.
- Meet the corrosive, shock, vibration and other places pressure display
- Especially suitable for oilfield water injection wellhead pressure collection

Special features

- Measuring ranges : -1 ... 25,00 bar
- Accuracy: up to 0.25 % F.S
- Micro-power technology, in the non-sleep state, continuous operation of more than 8000 hours
- Up to 20 pressure units
- Maximum and minimum value recording



PY 805 Digital Pressure Gauge

Description

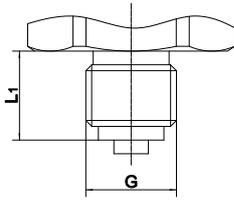
PY 805 digital pressure gauge can record the maximum and minimum value of the product, and is widely used in petroleum, chemical, aviation, aerospace, military, textile, metallurgy, mining, light industry, medicine, electric power, environmental protection, municipal government, food, health and other industries and scientific research in the field of the all-weather harsh environments, especially for corrosive, impact, vibration and other applications, it is the traditional mechanical pointer pressure gauge and the common It is an ideal substitute for traditional mechanical pointer pressure gauge and common pressure transmitter.

It can also be used as a pressure standardizer to complete the calibration of a variety of pressure instruments such as general pressure gauges, precision pressure gauges, etc. It is very suitable for industrial sites and laboratories.

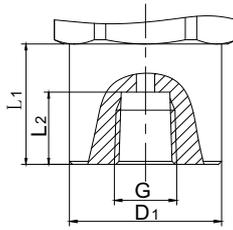
Specifications

Basic information	
Pressure types	
Gauge pressure	-1 ... 2,500 bar
Absolute pressure	0 ... 0.25 bar abs. to 0 ... 60 bar abs.
vacuum and +/- measuring pressure	-0.25... 0.25 bar to -1 ... 100 bar
Differential pressure	±25mbar to ±100mbar
Accuracy	0.25 %FS , 04%F.S, 0.5 % FS
Measuring rate	Max. 10 /s
Units	
Pressure	bar ,mbar, Pa, kPa, MPa, PSI, kg/cm ² , 16 pressure units can be selected
Display	
Type	Multifunctional LCD, 5 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	1/4NPT, 1/2NPT, G1/2, G1/4,Others can be customized
Material	304
Power supply	
Auto-off function	Selectable switch-off time 5 minutes
Battery type	3x 1.5 V AA and 9vdc external adapter power supply
Battery operation	8,000 h
Housing	
Dimensions	Ø 105 mm, D=38 mm H=135 mm with protection cap
Ambient conditions	-20...70°C with air humidity ≤95%r.h.
Weight	450 g

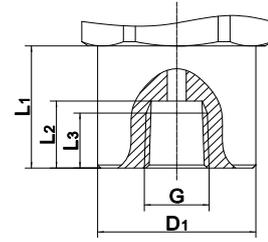
Process connections



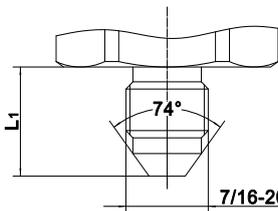
G	L ₁	Standard
G1/4 B	13	EN 837
G3/8 B	16	
G1/2 B	20	
M20×1.5	20	



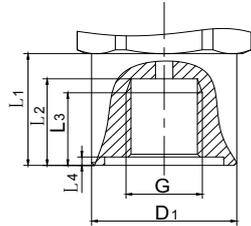
G	D ₁	L ₁	L ₂	Standard
NPT1/8	Φ25	20	12	ANSI/ASME B1.20.1
NPT1/4	Φ25	20	14	
NPT1/2	Φ25	25	19	



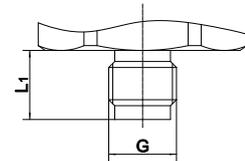
G	D ₁	L ₁	L ₂	L ₃	Standard
G1/8	Φ25	20	10	7.5	EN 837
G1/4	Φ25	20	13	10	



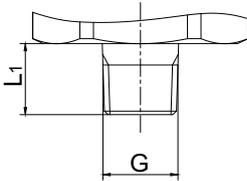
G	L ₁	Standard
7/16-20 UNF-74° cone	14	SAE J514 E



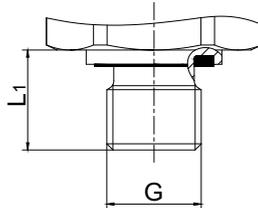
G	D ₁	L ₁	L ₂	L ₃	L ₄	Standard
G1/4	Φ25	20	15.5	13	1.5	ISO 1179-1



G	L ₁	Standard
G1/8 B	10	EN 837



G	L ₁	Standard
NPT1/8	10	ANSI/ASME B1.20.1
NPT1/4	13	
NPT1/2	19	
R1/4	13	ISO 7
R3/8	15	
R1/2	19	



G	L ₁	Standard
G1/4 A	14	ISO 1179-2
G3/8 A	14.5	
G1/2 A	17	
M12×1.5	14	ISO 9974-2
M14×1.5	14	
M20×1.5	16.5	

Measuring ranges, gauge pressure

Overview pressure ranges				
Type	pressure ranges(bar)	Accuracy (± of full scale value)	media	Burst Pressure
GP0.16	0...0.16	0.5	Gas/Liquid	4X
GP 0.25	0...0.25	0.5	Gas/Liquid	4X
GP 0.4	0...0.4	0.5	Gas/Liquid	3X
GP 0.6	0...0.6	0.25(0.5)	Gas/Liquid	3X
GP 1	0...1	0.25(0.5)	Gas/Liquid	3X
GP 1.6	0...1.6	0.25(0.5)	Gas/Liquid	3X
GP 2.5	0...2.5	0.25(0.5)	Gas/Liquid	3X
GP 4	0...4	0.25(0.5)	Gas/Liquid	3X
GP 6	0...6	0.25(0.5)	Gas/Liquid	3X
GP 10	0...10	0.25(0.5)	Gas/Liquid	3X
GP 16	0...16	0.25(0.5)	Gas/Liquid	3X
GP 25	0...25	0.25(0.5)	Gas/Liquid	3X
GP 40	0...40	0.25(0.5)	Gas/Liquid	3X
GP 60	0...60	0.25(0.5)	Gas/Liquid	3X
GP 100	0...100	0.25(0.5)	Gas/Liquid	3X
GP 160	0...160	0.25(0.5)	Gas/Liquid	3X
GP 250	0...250	0.25(0.5)	Gas/Liquid	3X
GP 400	0...400	0.25(0.5)	Gas/Liquid	3X
GP 600	0...600	0.25(0.5)	Gas/Liquid	3X
GP 1000	0...1000	0.25(0.5)	Gas/Liquid	3X
GP 1600	0...1600	0.25(0.5)	Gas/Liquid	2X
GP 2000	0...2000	0.25(0.5)	Gas/Liquid	1.5X
GP 2500	0...2500	0.25(0.5)	Gas/Liquid	1.5X

Measuring ranges, absolute pressure

Overview pressure ranges				
Type	pressure ranges(bar)	Accuracy (± of full scale value)	media	Burst Pressure
AP 0.25	0...0.25	0.5	Gas	4X
AP 0.4	0...0.4	0.5	Gas	3X
AP 0.6	0...0.6	0.5	Gas	3X
AP 1	0...1	0.25(0.5)	Gas	3X
AP 1.6	0...1.6	0.25(0.5)	Gas	3X
AP 2.5	0...2.5	0.25(0.5)	Gas	3X
AP 4	0...4	0.25(0.5)	Gas	3X
AP 6	0...6	0.25(0.5)	Gas	3X
AP 10	0...10	0.25(0.5)	Gas	3X

Measuring ranges, vacuum and +/- measuring ranges

Overview pressure ranges				
Type	pressure ranges(bar)	Accuracy (± of full scale value)	media	Burst Pressure
VP -0.25	-0.25...0.25	0.5	Gas/Liquid	3X
VP -0.4	-0.4...0.4	0.5	Gas/Liquid	3X
VP -0.6	-0.6...0.6	0.25(0.5)	Gas/Liquid	3X
VP 0	-1...0	0.25(0.5)	Gas/Liquid	3X
VP0.6	-1...0.6	0.25(0.5)	Gas/Liquid	3X
VP 1	-1...1	0.25(0.5)	Gas/Liquid	3X
VP 1.6	-1...1.6	0.25(0.5)	Gas/Liquid	3X
VP 2.5	-1...2.5	0.25(0.5)	Gas/Liquid	3X
VP 4	-1...4	0.25(0.5)	Gas/Liquid	3X
VP 6	-1...6	0.25(0.5)	Gas/Liquid	3X

Order code

Order code				
model	Accuracy	Pressure ranges	Unit	Process connection
PY 805	A025(0.25%F.S) A050(0.5%F.S)	Table of reference measuring ranges	Default bar, or user- specified	1/4NPT 1/2NPT G1/2 M20*1.5 G1/4 Other
Example order number PY805-A050-VP1(-1...1)bar-1/4NPT PY 805 with 1/4NPT, 0.5%F.S, -1...1bar				