

Precision digital pressure gauge



general industrial applications

PDPG-01

Applications

- Machine building
- Hydraulics and pneumatics
- Simple calibrations directly on site
- Pressure test

Special features

- Measuring ranges from -1 ... 5 to 0 ... 1000 bar
- With the MIN/MAX function
- Can be corrected
- Plastic service case with foam insert



SPECIFICATIONS

STANDARD VERSION: 115mm

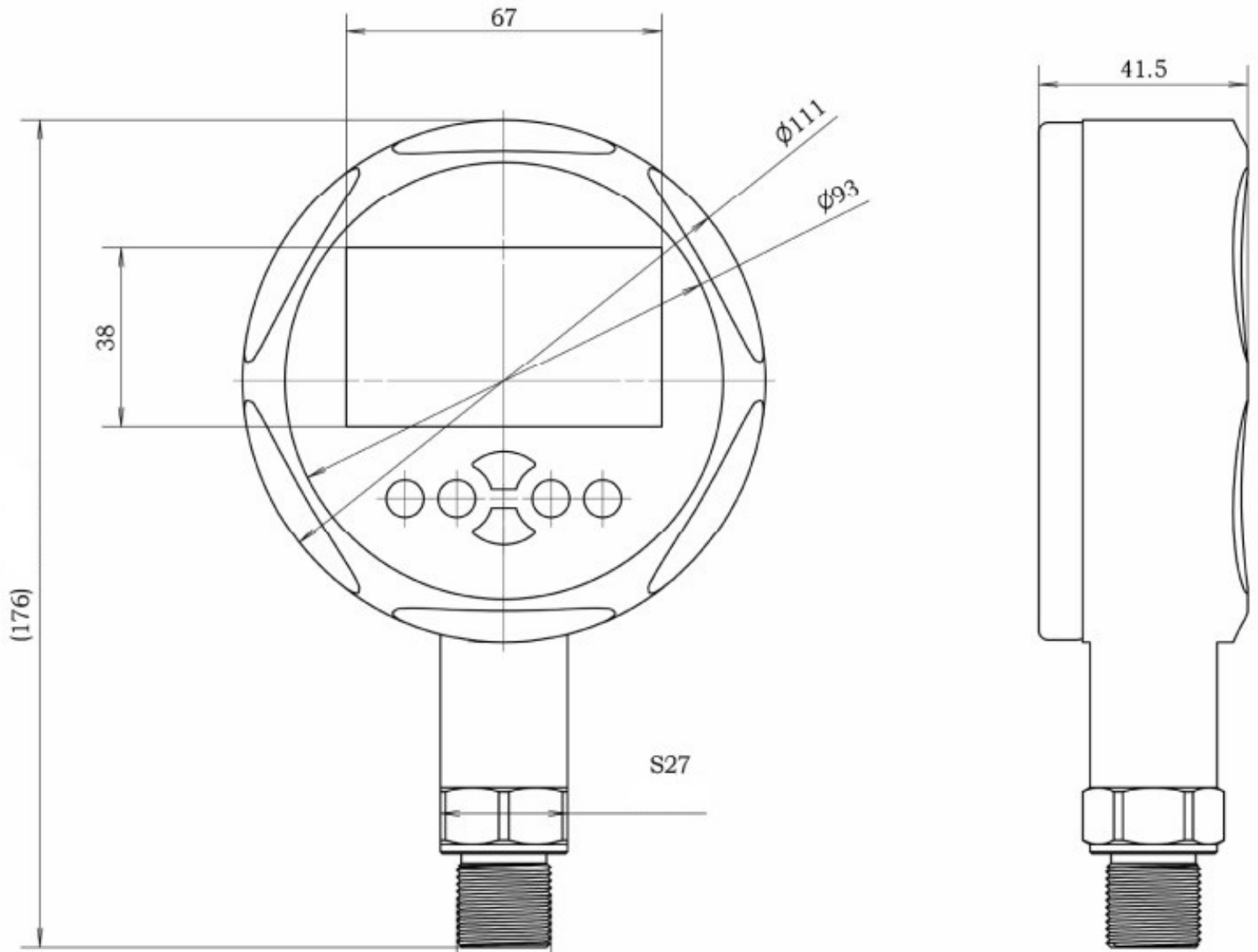
Accuracy	: $\pm 0.05\%$ Of F.S. $\pm 0.025\%$ Of F.S
Process temperature	: $-10 \sim 82\text{ }^{\circ}\text{C}$
Compensating	: $-5 \sim 50\text{ }^{\circ}\text{C}$
Operating pressure	: 75% of the scale value
Over pressure limit	: 30% for pressure ranges up to 600 kg/cm^2 15% for pressure ranges above 600 kg/cm^2

Case	: Aluminium die-casting, nickel-plated
Socket	: AIS I316 SS
Sensor	: Diffusion Silicon
Sensor element	: PH grade steel
Digits	: 5 digit
Panel	: PVC

Protection	: IP 55
Power Supply	: Rechargeable lithium battery
Battery life	: The operating time is approx. 2000 hours,
Character size	: 20 mm
Update	: 50 measured values persecond
Screen	: LCD Selectable backlighting

Dimensions mm

Digital pressure gauge with transmission function



Measuring ranges

Gauge pressure							
bar	Measuring range	0 ... 5	0 ... 10	0 ... 20	0 ... 50	0 ... 100	0 ... 160
	Overpressure limit	10	20	40	100	200	320
	Burst pressure	12	25	50	120	800	1,000
	Measuring range	0 ... 250	0 ... 400	0 ... 600			
	Overpressure limit	500	800	1,200			
	Burst pressure	1,200	1,700	2,400			
psi	Measuring range	0 ... 145	0 ... 300	0 ... 600	0 ... 1,450	0 ... 2,000	0 ... 3,000
	Overpressure limit	290	580	1,450	2,900	4,640	7,250
	Burst pressure	360	725	1,740	11,600	14,500	17,400
	Measuring range	0 ... 5,000	0 ... 7,500	0 ... 10,000¹⁾			
	Overpressure limit	11,600	17,400	21,750			
	Burst pressure	24,650	34,800	43,500			

1) DG-10-S can only display up to 19999 psi

Vacuum and +/- measuring ranges			
bar	Measuring range	-1 ... +5	-1 ... +10
	Overpressure limit	10	20
	Burst pressure	12	25
psi	Measuring range	-30 inHg ... +72 psi	-30 inHg ... +145 psi
	Overpressure limit	145	290
	Burst pressure	170	360

HOW TO ORDER

BASIC MODEL

PDPG-01

CODE C

NOMINAL SIZE(mm) 115

C

TYPE OF MOUNTING

A4

A4 SURFACE/WALL/PROJECTION MOUNTING WITH BOTTOM ENTRY

A1 DIRECT BOTTOM ENTRY

A5 DIRECT LOWER BACK ENTRY

A2 DIRECT CENTRE BACK ENTRY

A6 FLUSH PANEL BACK ENTRY WITH FRONT FLANGE

GAUGE CONNECTION

B7

B7 1/2"BSP(M)

B8 1/2"NPT(M)

B5 1/4"NPT(M)STANDARD

B4 1/4"BSP(M)STANDARD

B1 According to order

Note:Connections like PT/PF/Flairde /UNF/G/R eac.can be orivuded on request.
Non standard connections can be provided through adaptors.

RANGE

0-10

REFER TABLES

PRESSURE UNITS

D1

D1 bar,kg/cm,PSI,mmHg,KPA,MPA(10~1000KG/CM2)

D2 bar,kg/cm,PSI,mmHg,KPA,MPA,mH2O(-1~9KG/CM2)

OPTIONS

C19

FOR NON STANDARD PRODUCTS/OPTIONAL ITEMS, PLEASE CONTACT FACTORY FOR DELNERY AND MINMUM QUANTITY OF ORDER.

C3 CUSTOM DESIGNED PANEL	C9 SSTAG PLATE
C7 OXYGEN SERVICE(WITHOUT DAMPENING LIQUIDS)	C20 HELIUM LEAK TEST
C12 AISI 316 SS CASE & BEZEL	C24 TRIANGLE TYPE SURFACE MOUNTING PLATE
C1 FIVE POINT CALIBRATION CERTIFICATE	C6 CASE WITH ROLLING TYPE BEZEL
C13 FIVE POINT CALIBRATION CERTIFICATE(LABORATORY)	C18 ACCURACY $\pm 0.025\%$ OF FS.

* GASKET,BOD & FILLING PLUG OF VITON/NBR

Ordering Example:

PDPG-01-C-A1-B7-0/10kg/cm²-D1-C19