

Digital pressure gauge with transmission function



Live display with delivery 4-20mA

DPG-T1

Applications

- Machine building
- Hydraulics and pneumatics
- Pumps and compressors
- Service tasks

Special features

- Measuring ranges from -1 ... 5 to 0 ... 1000 bar
- Accuracy $\leq \pm 0.5\%$ or $\pm 0.25\%$
- Can be corrected
- Option: LCD screen or led screen



SPECIFICATIONS

STANDARD VERSION: 65mm

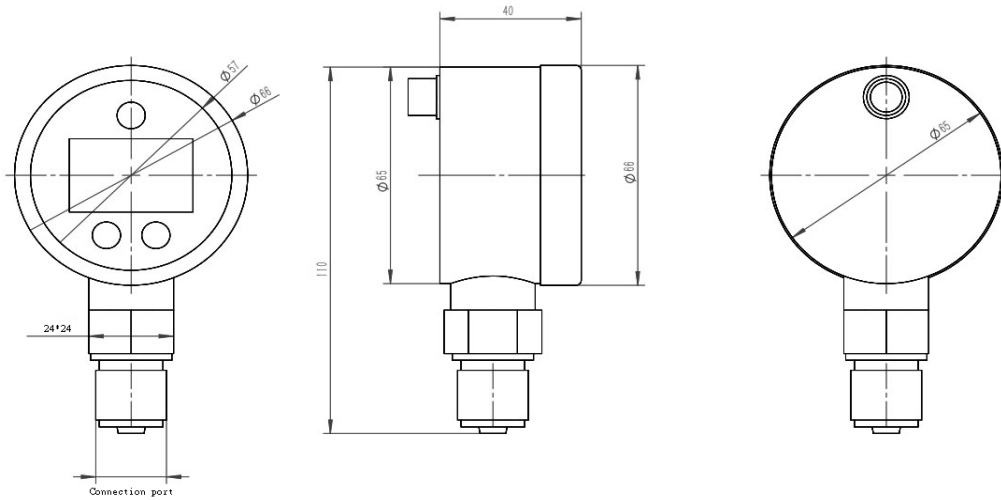
Accuracy	: $\pm 0.5\%$ Of F.S. $\pm 0.25\%$ Of F.S.
Process temperature	: $-10 \sim 80\text{ }^{\circ}\text{C}$
Compensating	: $-5 \sim 40\text{ }^{\circ}\text{C}$
Operating pressure	: 75% of the scale value
Over pressure limit	: 30% for pressure ranges up to 600 kg/cm^2 15% for pressure ranges above 600 kg/cm^2

Case	: AIS I304 SS
Socket	: AIS I316 SS
Sensor	: Diffusion Silicon
Sensor element	: PH grade steel
Digits	: 5-Digit
Panel	: PVC

Protection	: IP 55
Power Supply	: 12~32VDC
Control Signal	: 4~20mA . RS-485 . 0-10V
Connection	: Aviation plug
Update	: 100 ms
Screen	: LCD

Dimensions mm

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Measuring ranges

Gauge pressure							
bar	Measuring range	0 ... 5	0 ... 10	0 ... 20	0 ... 50	0 ... 100	0 ... 160
kg/cm²	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
mmH₂O	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 9999 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

DPG-T1

CODE	C
NOMINAL SIZE(mm)	63

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

D7

- D1 bar D4 kg/cm² D7 According to order
 D2 psi D5 mmH2O
 D3 Mpa D6 mH2O

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 $\pm 0.25\%$ OF FS. |
| C19 Shell Waterproof jacket | C20 Control Signal RS-485 |
| | C21 Electrical connection:DIN 175301-803 C |

* GASKET,BOD & FILLING PLUG OF VITON/NBR

Ordering Example:

DPG-T1-C-A1-B7-0/10kg/cm²-D7-C19