

DPG100 Digital Pressure Gauge

DPG100 Digital Pressure Gauge is a microprocessor-controlled digital pressure testing gauge that combines precision and functionality in a compact, robust and simple-to-use package. The DPG100 Digital Pressure Gauge matches advanced silicon sensor technology with several convenient design features resulting in an accurate, versatile yet affordable digital test gauge. DPG100 Digital Pressure Gauge widely uses in oil&gas, power industry, metrology body and so on. it provides a reliable and economic solution for a wide range of pressure measuring applications.

Application:

- Precision Pressure Measurement
- Field Gauge Calibration
- Other Pressure Instrument Calibration



Features:

- High Accuracy 0.02%F.S ,0.05%F.S,0.1%F.S
- Pressure range :-1-2500bar (see the range table)
- 0~50°C Temp Compensation
- Low Power Consumption
- Auto Peak Recording
- Pressure unit selectable : mmH2O、 mmHg、 Pa、 kPa、 MPa、 psi、 bar、 mbar、 kgf/cm2
- Rugged aluminum housing
- Wetted part:316 stainless steel
- 5 bits display with white backlight
- Overpressure warning: The screen will display “Fail” if pressure over 110%F.S

Measurement Speed:

- Max: 3 readings per second (Default), lowest: 1 reading/10 seconds,
- Speed adjustable

Environmental:

- Operating Range: (-20~70) °C
- Temp. Compensation: (0~50) °C
- Humidity: <95%
- Atmosphere Pressure: (86~106) kPa
- Storage Temp.: (-40~85) °C
- Display: 5 Digit Backlit Display
- Power Supply: Three AA alkaline batteries or Built-in 3.6V lithium battery or AC Power(Via power adapter)
- Working Time: Reading/ Second

Test Speed	1reading/S	1reading/2S	1reading/5S	1reading/10S
Working Time	1 Year	2 Years	4 Years	8 Years

Other Parameters:

- Dimension: Head Ø100mm×37mm, Overall Height 132mm
- Weight: Approx. 0.45KG
- Pressure Connection: 1/4NPT, 1/2NPT, G1/2 or M20×1.5
- Communication: RS232

Conventional Pressure Range Selection

Order No.	Pressure Range	Accuracy	Accuracy	Accuracy
DPG100-1	(-1~0)bar	0.02,G	0.05,G	0.1,G
DPG100-2	(0~0.16) bar	--	0.05,G	0.1,G
DPG100-3	(0~0.25) bar	--	0.05,G	0.1,G
DPG100-4	(0~0.4) bar	0.02,G	0.05,G	0.1,G
DPG100-5	(0~0.6)bar	0.02,G	0.05,G	0.1,G
DPG100-6	(0~1) bar	0.02,G	0.05,G	0.1,G
DPG100-7	(0~1.6) bar	0.02,G	0.05,G	0.1,G
DPG100-8	(0~2.5)bar	0.02,G	0.05,G	0.1,G
DPG100-9	(0~4) bar	0.02,G	0.05,G	0.1,G
DPG100-10	(0~6) bar	0.02,G	0.05,G	0.1,G
DPG100-11	(0~10) bar	0.02,G	0.05,G	0.1,G
DPG100-12	(0~16) bar	0.02,G	0.05,G	0.1,G
DPG100-13	(0~25) bar	0.02,G	0.05,G	0.1,G
DPG100-14	(0~40) bar	0.02,G	0.05,G	0.1,G

DPG100-15	(0~60) bar	0.02,G	0.05,G	0.1,G
DPG100-16	(0~100) bar	0.02,G	0.05,G	0.1,SG
DPG100-17	(0~160) bar	0.02,G	0.05,G	0.1,SG
DPG100-18	(0~250) bar	0.02,G	0.05,G	0.1,SG
DPG100-19	(0~400) bar	0.02,G	0.05,G	0.1,SG
DPG100-20	(0~600) bar	0.02,G	0.05,G	0.1,SG
DPG100-21	(0~700) bar	0.02,G	0.05,G	0.1,SG
DPG100-22	(0~1000) bar	--	0.05,G	0.1,SG
DPG100-23	(0~1600) bar	--	0.05,G	0.1,SG
DPG100-24	(0~2500) bar	--	0.05,G	0.1,SG

Remark: Other pressure ranges are available. Contact Factory with specific requirement.

G=Gauge Pressure; SG=Sealed Gauge Pressure;

Bottom Connect thread : 1/4NPTM.1/2NPTM.G1/2M,M20*1.5M (Or custom-made)