

Main Specifications

▼ Size

4" (100mm)

▼ Installation type

Back mount with front flange /
Bottom mount

▼ Dimension

Back mount with front flange:

132 x 34mm

Bottom mount:

100 x 34mm

▼ Pressure connection

1/4" NPT

(Other thread size and type
available upon request)

Material: SS304

▼ Pressure range

Min.: -1bar

Max.: 2500bar

▼ Applicable fluid

Liquid and gas that compatible
with SS304

▼ Ambient temperature

-10°C to +50°C

▼ Relative humidity

≤ 85% R.H.

▼ Temperature error

Standard temp.: 20°C

max. error: ±0.1% F.S

(0~50°C)

▼ Protection level

IP54

Other Specifications

▼ Ring

Stainless steel

▼ Back housing

Stainless steel

▼ Screen display

5-digit LCD display

Progress bar indication

▼ Screen size

67 x 36mm

▼ Pressure unit

Pa, kPa, MPa, psi, bar, mbar

mmH₂O, mmHg, inH₂O, inHg

▼ Resolution

0.0001

▼ Measuring elements

High tech piezoresistive silicon
chip

SS 316L diaphragm

▼ Accuracy

±0.1%F.S.

(Option: ±0.2% F.S. /

±0.4%F.S.)

▼ Power supply

3.6V Lithium battery

(Continually work over 1 year)

▼ Signal output (option)

RS232

4-20mA

▼ Operating pressure

Overpressure: 1.5* full scale

▼ Weight

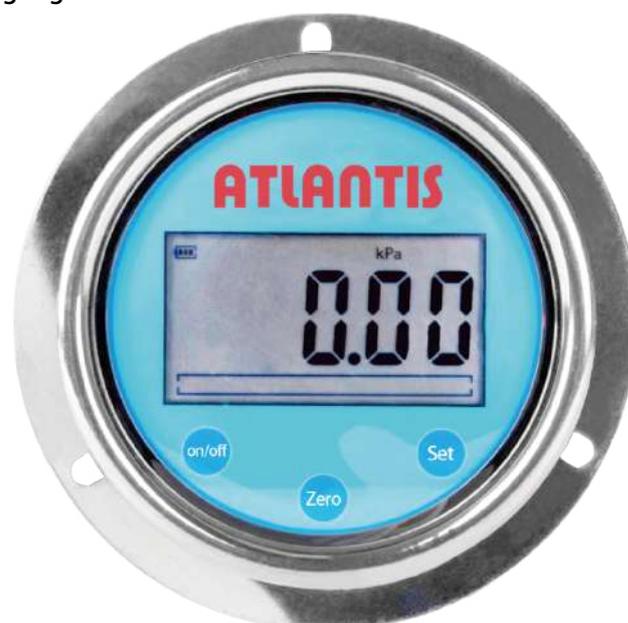
500g

Digital Precision Pressure Gauge

Model: DPG-CW0.1

Introduction

DPG-CW0.1 digital precision pressure gauge adopts high tech piezoresistive silicon chip pressure sensor. The output signal will be processed through a high accuracy and low temperature drift amplifier then processed by a high accuracy analog to digital converter. The signal will be transformed to digital signal which microprocessor can process, and allows LCD screen to display the calculated value. DPG-CW0.1 is specially design for high precision pressure measurement such as pressure gauge calibration.



Features

- ±0.1% F.S. high accuracy measurement
- Compact design with easy operation makes it suitable for field calibration
- 5-digit LCD display screen with clear readings and no visual error
- The touch button with no mechanical contact ensures longer service life and higher sealability
- Pressure value percentage showed as progress bar
- Zero adjustment, intelligent calibration
- Unit value conversion, peak value hold function
- Available pressure unit
Pa, kPa, MPa, psi, bar, mbar, mmH₂O, mmHg, inH₂O, inHg



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales.
(If there is any change on specification, please take the latest version as standard.)

How to order

DPG-CW0.1		Digital Precision Pressure Gauge			
Code	Pressure connection				
4N	1/4" NPT				
O	Other (please specify)				
Code	Pressure range				
Custom	-1...0 to 2500bar ^{*1}				
Code	Installation type				
BD	Back mount with front flange				
A	Bottom mount				
Code	Accuracy				
1	0.1%				
2	0.2%				
3	0.4%				
Code	Other requests				
/A	Third party notarized document				
/B	Inspection report (issued by Re-Atlantis)				
/C	Tag				
/D	Customized dial face (brand, color, etc.)				
/E	Thread adaptor: To adapt the other kinds of thread				
/F	Connection material SS316				
/G	Case and ring material SS304				
/H	RS232 communication				
/I	4-20mA signal output				
DPG-CW0.1	4N	-1~0bar	BD	1	Order example: DPG-CW0.1-4N-(-1~0bar)-BD-1

*1: Pressure range for back mount type: 0~700bar