

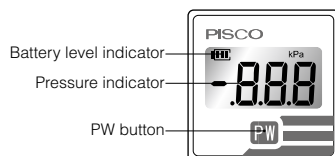
■ Battery-operated digital gauge for positive & negative pressure.

Digital Pressure Gauge

Characteristics

PDF Compressor Free Version

- Visibility Easy to check pressure reading with digital display.
- A power saving mode is adapted. Battery life is about 3 years.
- Visible indication of battery change time.
With a flat-blade screwdriver (1.4mm width), battery can be replaced.



- Rich optional parts.

Specifications

Model code	GPD-V-01 (Negative pressure)	GPD-01 (Positive pressure)
Rated pressure range	-101 ~ 0kPa	0.000 ~ 1.000MPa
Indicated pressure range	-101 ~ 10kPa (*3)	-0.100 ~ 1.000MPa (*1, *2)
Proof pressure	300kPa	1.5MPa
Fluid medium	Air, non-corrosive / non-flammable gas	
Pressure	kPa	—
resolution	MPa	0.001
Battery	CR 2032 Lithium battery (*5)	
Battery life	About 3 years (at 5times indication/ day)	
Low-power indicator	Yes	
Battery replacement	Yes	
Turn-on interval	Display turn off after 60sec.	
Sampling rate	2 Hz (2 times / sec)	
Repeatability	$\leq \pm 1\% \text{F.S. } \pm 1 \text{ digit}$	$\leq \pm 0.2\% \text{F.S. } \pm 1 \text{ digit}$
LCD display	7 segment, 3.5 digit	
Indicator accuracy	$\leq \pm 2\% \text{F.S. } \pm 1 \text{ digit}$ (ambient temperature: 25 $\pm 3^\circ\text{C}$)	
Protective structure	IP65 (*4)	
Ambient temp. range	Operation: 0 ~ 50 $^\circ\text{C}$ Storage: -10 ~ 60 $^\circ\text{C}$ (No dew condensation, no freezing.)	
Ambient humidity range	Operation / Storage: 35 ~ 85%RH (No dew condensation)	
Vibration proof	Total amplitude 1.5mm or 100m/s ² , 10Hz-55Hz-10Hz scan for 1minute, Direction of X, Y and Z for 2hours each	
Shock resistance	100m/s ² , 3 times each in direction of X, Y and Z	
Temperature characteristic	$\pm 2\% \text{F.S.}$ of detected pressure (25 $^\circ\text{C}$)	
Weight	About 40g (including battery)	

*1. The display at the time of impressing negative pressure will be Fig. 1, and Fig. 2.

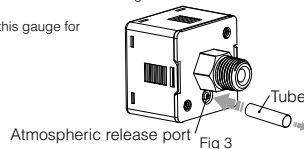
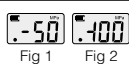
*2. Indicator accuracy is not guaranteed for the pressure range -0.1 ~ 0MPa.

*3. Indicator accuracy is not guaranteed for the pressure range 0 ~ 10kPa.

*4. Air tube must be inserted into the atmospheric release port to maintain IP65. See Fig.3.

*5. Using other battery can result in electrical shock or fire.

* This digital pressure gauge can not be calibrated. Do not use this gauge for commercial purposes.



Detailed Safety Instructions

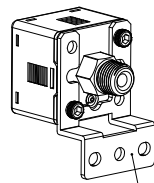
Before using the PISCO products, be sure to read the "Safety Instructions", "Common Safety Instructions for Products in This Catalog" on page 13 to 16 and "Common Safety Instructions for Controllers" on page 18.

- △Caution : 1. Do not use corrosive or flammable gas or liquid with this product.
2. Use this product within the specification range. Usage beyond the specification may cause malfunction, damage to the product and deterioration in a lifetime.
3. This product is not explosive-proof. Do not use in atmosphere containing flammable or explosive gasses.

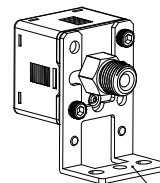
- △Caution : 1. Do not drop, hit or allow excessive shock. Even if pressure gauge body appears undamaged, internal components may be broken and can cause malfunction.
2. Do not use this product in environment containing oil vapor. In case that water or dust may enter the inside of the product through the atmospheric release port, insert tube or the like, into the port and let the tube edge escape from water or dust. Do not crimp or block the tube edge.
3. Using filter can extend pressure gauge's service life.
4. Never block the atmospheric release port.

Optional parts

■ Bracket



Model code: **ACPG-31-B1**

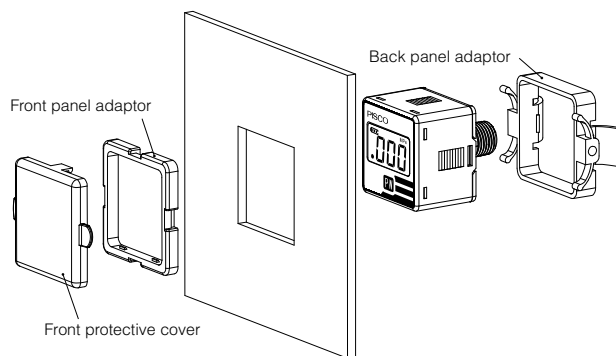


Model code: **ACPG-31-B2**

■ Panel adaptor set

Model code for panel adapter set without front protective cover: **ACPG-31-P1**

Model code for panel adapter set with front protective cover: **ACPG-31-P2**



Model Designation (Example)

GPD - V - 01
(1) (2) (4)

(1) Type

GPD: Digital pressure gauge

(2) Rated pressure range

V: Negative (-101 ~ 0kPa)

No code: Positive (0.000 ~ 1.000MPa)

(3) Pressure port

01: R1/8 for O.D., M5x0.8 for I.D.

N1: NPT1/8 for O.D., 10-32UNF for I.D.

RoHS The products listed in this page are ECO-friendly products.

* Please refer to page 4 for the details of ECO-friendly products.

GPD	Model code
Digital Pressure gauge	GPD-[2]-[3]



Caution

* For [2], please select rated pressure range.

* For [3], please select a pressure port.



Package specification

1 pc. in a bag