

GC66

Digital Pressure Checker



OUTLINE

This is the pocket-size battery type digital pressure gauge which measures from low to high pressure and is used for periodic inspection and maintenance. It mounts leak-check function and makes it easy to do leak test on various pipes or equipments. We have two models depending to the purpose. The one is for low pressure from 100Pa, and the other is for middle pressure up to 1 MPa.

FEATURES

- Accurate and rapid reading have become possible by digital display.
- As the simple construction with a few moving parts has been realized, this checker demonstrates excellent vibration resistance and impact resistance and, additionally, few error is caused due to an checker installing posture.
- As airtight checking function is mounted, airtight check for various piping and devices can easily be implemented.
- As it is driven by a lithium battery(3V), this checker is small in size and light in weight.

SPECIFICATION 1

Fluid:

Low pressure: Dry air or non corrosive gas
 Medium pressure: Gas, liquid
 (Non corrosive gas or liquid)

Process connection:

Low pressure: Nipple for tube with I.D 4mm/O.D 6mm
 Medium pressure: RC1/8, Complete with one touch type connector for hose with O.D 6mm

Wetted parts (gas) material:

Low pressure: Silicon, Aluminum alloy die casting (ADC12)
 Brass
 Medium pressure: 630 st.st.(17-4PH)
 Copper-alloy (C3604BD) NBR

Max. allowable pressure:

Low pressure: 50kPa (100kPa for the range 0 ~ 10kPa)
 Medium pressure: 200% of pressure range
 (150% for range 1000kPa)

Display type:

3 1/2 digit LCD display (Height of letter: 8.5 mm)

Display period:

2 times / sec

Attitude difference:

±1digit within

Power source:

Lithium battery CR2016 × 1 (3V DC)

Battery life span:

Continuous duty Approx. 500 hours

Operating temperature:

0 ~ 40°C

Storage temperature:

-10 ~ 50°C

Operating humidity range:

35 ~ 85%RH (But should not be frozen)

Case material:

Low pressure: ABS, Aluminum alloy die casting (ADC12)
 Medium pressure: ABS, Copper-alloy (C3604BD)

Construction:

IP40 (Indoor use)

Weight:

Low pressure: Approx. 63g
 Medium pressure: Approx. 83g

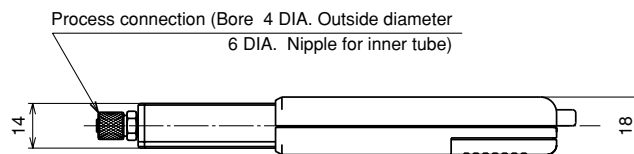
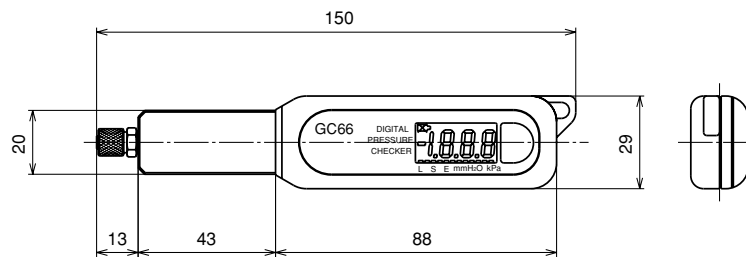
SPECIFICATION 2

Pressure range, Display digit, Accuracy and temperature coefficient:

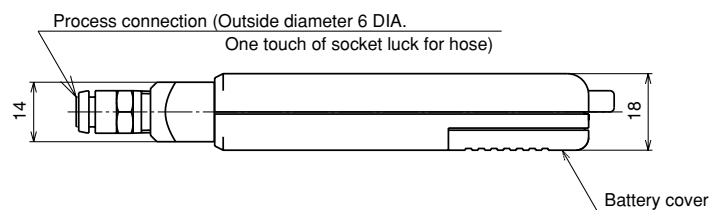
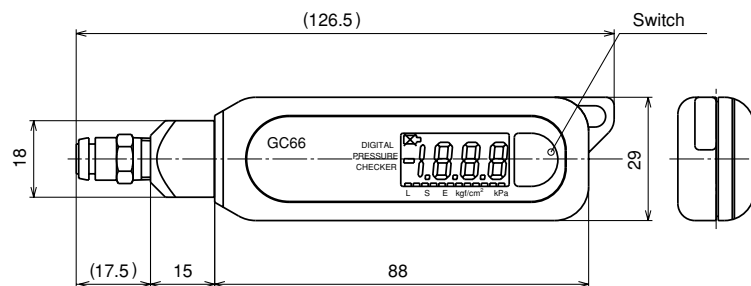
| Type | Pressure range | | LCD Display digit | | | | Display accuracy | Temperature coefficient (Zero/Span) |
|-----------------|----------------|----------------|-------------------|--------------------|---------------------|-------|----------------------|-------------------------------------|
| | Compound | Pa | kPa | mmH ₂ O | kgf/cm ² | | | |
| Low pressure | 0 ~ 100Pa | -100 ~ 100Pa | 100 | — | 10.2 | — | ±2.0%F.S. ±1digit | ±0.2%F.S./°C |
| | 0 ~ 500Pa | -500 ~ 500Pa | 500 | — | 51.0 | — | | |
| | 0 ~ 1kPa | -1 ~ 1kPa | — | 1.00 | 102 | — | ±1.0%F.S. ±1digit | |
| | 0 ~ 5kPa | -5 ~ 5kPa | — | 5.00 | 510 | — | | |
| | 0 ~ 10kPa | — | — | 10.00 | 1020 | — | | |
| Medium pressure | — | -100 ~ 100kPa | — | 100 | — | 1.02 | ±1.0%F.S. ±1digit | ±0.1%F.S./°C |
| | 0 ~ 500kPa | -100 ~ 500kPa | — | 500 | — | 5.10 | | |
| | 0 ~ 1000kPa | -100 ~ 1000kPa | — | 1000 | — | 10.20 | | |

DIMENSIONS

Low pressure



Medium pressure

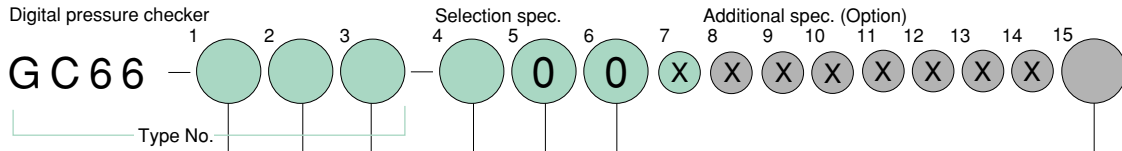


Type No. constitution

Please specify Type No., each specification and range, when ordering.

Note: For this Model, there is no applicable item for the figures X, but please specify X when ordering.

- GC66 - 1 6 1 Low pressure
- GC66 - 2 7 2 Medium pressure



1 Mounting

- 1 Low pressure
- 2 Medium pressure

2 Pressure connection

- 6 Nipple for tube with I.D 4mm/O.D 6mm
- 7 Rc1/8, Complete with one touch type connector for hose with O.D 6mm

3 Sensing part material

- 1 Low pressure Silicon, Aluminum alloy die casting (ADC12), Brass
- 2 Medium pressure 630st.at. (17-4PH), C3604BD, NBR

4 Pressure range

(When ordering, please specify pressure range & unit.)

| | Low pressure (GC66-161) | Medium pressure (GC66-272) |
|---|----------------------------|-------------------------------|
| 1 | 0 ~ 100Pa | 5 0 ~ 500Pa |
| 1 | 0 ~ 500Pa | 5 0 ~ 1000Pa |
| 2 | 0 ~ 1kPa | 6 -100 ~ 100Pa |
| 2 | 0 ~ 5kPa | 6 -100 ~ 500Pa |
| 2 | 0 ~ 10kPa | 6 -100 ~ 1000Pa |
| 3 | -100 ~ 100Pa | |
| 3 | -500 ~ 500Pa | |
| 4 | -1 ~ 1Pa | |
| 4 | -5 ~ 5Pa | |

6 Power source

- 0 Lithium battery (3V)

5 Display accuracy

- 0 Low pressure ±1% F.S. ±1digit
(±500Pa or less ±2% F.S. ±1digit)
Medium pressure ±1% F.S. ±1digit

15 Document

- 0 Nil
- 1 Please specify your requirement
Drawing one sheet, Instruction manual,
Inspection procedure, Test report