

GC66

Digital Pressure Checker

Overview

This pocket carry digital pressure gauge for low pressure through medium pressure measurements can be used for periodical inspection or maintenance. Feature includes airtight test which can be easily performed on pipe and tool. 100Pa for low pressure and 1000kPa for medium pressure are available.

Features

- Digital pressure indication for accurate pressure reading
- Simple construction with less moving parts which can achieve excellent vibration and shock resistance. Almost no position effect is exhibited
- Feature including airtight test which can be easily performed on pipe and tool
- Small and lightweight with lithium battery



Specifications 1

Media:

Low pressure type : Dry air, nitrogen gas
 Medium pressure type: Gas or Liquid
 (Fluid compatible with wetted parts)

Process connection:

Low pressure type:
 Nipple connection for $\phi 4$ inner dia. $\phi 6$ outer dia. (M5)
 Medium pressure type:
 $\phi 6$ outer dia. hose one-touch joint (Rc1/8)
 ※ () represents thread size.

Wetted parts:

Low pressure type : Silicon, Aluminum, Silicone, Glass
 ADC12, C3604BD
 Medium pressure type: SUS630 (17-4PH), C3604BD,
 NBR

Maximum allowable pressure:

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

Display system:

3 1/2 digit, 8.5mm LCD

Display update rate:

Twice/sec.

Position effect:

Within ± 1 digit

Power source:

Coin type lithium battery CR2016 \times 1 (3V DC)

Battery life:

Continuous use About 500 hours

Operating temperature:

0 to 40°C

Storage temperature:

-10 to 50°C (Non-freezing)

Operating humidity:

35 to 85%RH (Non-condensing)

Case materials:

Low pressure type : ABS, ADC12
 Medium pressure type: ABS, C3604BD

Enclosure:

IP40 (Indoor use)

Weight:

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

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Specifications2

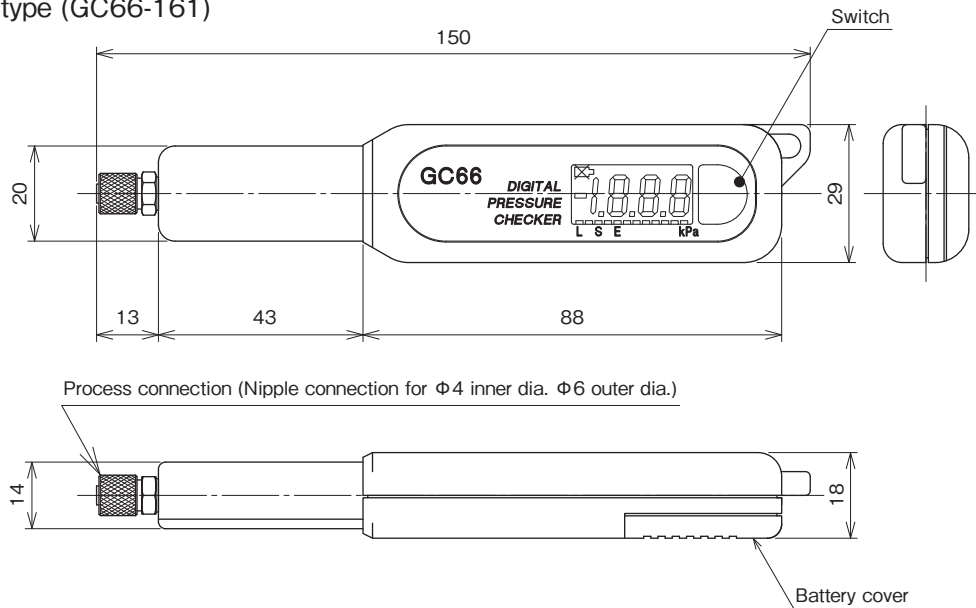
Pressure range, Display figures, Accuracy and temperature coefficient:

Type	Pressure range		LCD Display digit		Display accuracy	Temperature coefficient (Zero/Span)
		Compound range	Pa	kPa		
Low pressure type	0 to 100Pa	-100 to 100Pa	100	—	± (2.0%F.S.+1digit)	±0.2%F.S./°C
	0 to 500Pa	-500 to 500Pa	500	—		
	0 to 1kPa	-1 to 1kPa	—	1.00	± (1.0%F.S.+1digit)	±0.1%F.S./°C
	0 to 5kPa	-5 to 5kPa	—	5.00		
	0 to 10kPa	—	—	10.00		
Medium pressure type	—	-100 to 100kPa	—	100	± (1.0%F.S.+1digit)	±0.1%F.S./°C
	0 to 500kPa	-100 to 500kPa	—	500		
	0 to 1000kPa	-100 to 1000kPa	—	1000		

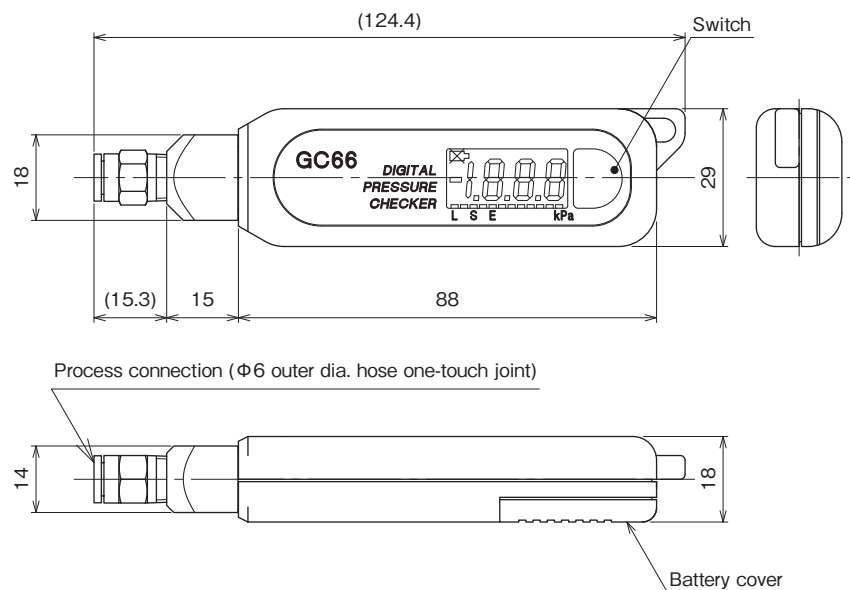
Dimensions

Unit: mm

Low pressure type (GC66-161)



Medium pressure type (GC66-272)



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Digital Pressure Checker

Model number configuration

Please specify the model number, each specs and the range for ordering.

Model			Digital Pressure Checker														
G C 6 6			①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮
Model number						Product specifications						Additional specifications (Optional)					
① Type	1	Low pressure type															
	2	Medium pressure type															
② Pressure connection port	6	Low pressure type: Nipple connection for ϕ 4 inner dia. ϕ 6 outer dia.															
	7	Medium pressure type: ϕ 6 outer dia. hose one-touch joint															
③ Sensing element material	1	Low pressure type: Silicon, ADC12, Brass															
	2	Medium pressure type: SUS630 (17-4PH), C3604BD, NBR															
④ Pressure range	1	0 to 100, 500Pa						Low pressure type (GC66-161)									
	2	0 to 1, 5, 10kPa						Low pressure type (GC66-161)									
	3	\pm 100, \pm 500Pa						Low pressure type (GC66-161)									
	4	\pm 1, \pm 5kPa						Low pressure type (GC66-161)									
	5	0 to 500, 1000kPa						Medium pressure type (GC66-272)									
	6	\pm 100, -100 to 500, -100 to 1000kPa						Medium pressure type (GC66-272)									
⑤ Indication accuracy	0	Low pressure type: \pm (1.0%F.S.+1digit) (\pm (2.0%F.S.+1digit) for \pm 500Pa and below)															
		Medium pressure type: \pm (1.0%F.S.+1digit)															
⑥ Power source	B	Coin type lithium battery (3V) CR2016 \times 1															
⑮ Documents	0	Not required															
	1	Required (Documents available upon request) Datasheet (Drawing / Specifications) Instruction manual Inspection procedure Calibration test report (One-part one sheet) Inspection / Traceability certificate Calibration test report for pressure standard Attending inspection															

Please specify pressure range and unit of measure along with corresponding ordering code.

* Specify code "X" to refer N/A