

# GC91

## Digital Panel Meter

**Easy-to-read large LCD display  
for a wide range of industries.**

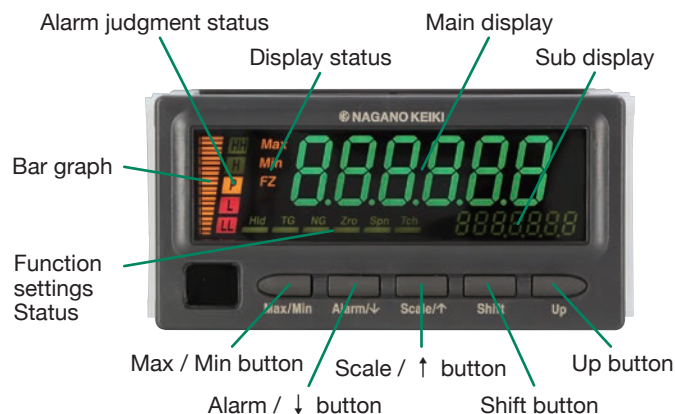
- Pressure transducer can be connected directly
- Green / red display switching function for alarm judgment
- The protection class of the front panel : IP66
- Equipped with a terminal cover to prevent electric shock



# GC91

**A multifunctional digital panel meter equipped with various functions with large, easy-to-read display. It supports various input signals and can be used in various industries.**

- Pressure transducers can be connected directly without an amplifier
- Green / red display switching function for alarm judgment
- Equipped with an electric shock prevention terminal cover with a fall-prevention strap as standard
- The protection class of the front panel : IP66

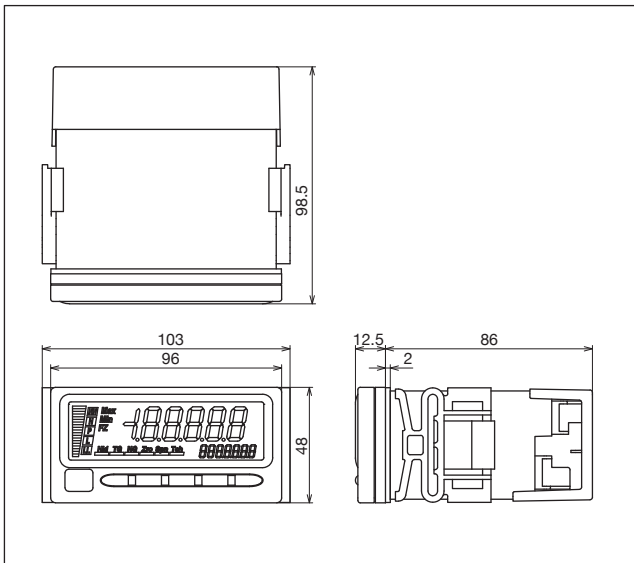


## Specifications

Item	Description	
Display	Number of digits	5 1/2 digits (-20000 to 100000)
	Display type	Main display: Negative type LCD (backlit LED)
	Character height	14.2mm
Power supply	DC type	24V DC
	AC type	100 to 240V AC
Input signal (Select model number)	Voltage input type	1 to 5V DC, 0 to 5V DC
	Transducer input type	Pressure transducer
	Current input type	4-20mA DC
Comparator output	Comparator	Relay a contact or photo MOS relay 4 outputs
	Relay response time	0.5 sec. or less
	Contact capacity	Relay : 250V AC 3A, 30V DC 3A Photo MOS relay : 30V DC 100 mA
Output signal	Analog output	4-20mA DC, 1 to 5V DC, 0 to 5V DC
Power output for connecting sensor	Transducer input type	5V DC
	Voltage / current type	24V DC
Performance	Sampling rate	20 samples/sec. (50 ms)
	Accuracy (23°C ± 5°C)	± (0.1% F.S. + 1 digit) (current input, transducer input) ± (0.03% F.S. + 1 digit) (voltage input)
	Temperature coefficient	±0.01%F.S./°C
	Output accuracy	± (0.2% F.S. + 1 digit) (current input, transducer input) ± (0.13% F.S. + 1 digit) (voltage input)
	Power consumption	DC power supply 4.5W or less AC power supply 12VA or less
	Operating temperature	-10 to +55°C
	Operating humidity	30 to 90% RH (no condensation)
Insulation resistance	100MΩ or more / 500V DC	
Withstand voltage	Input / External power supply - DC output - Comparator HH / H - Comparator LL / L - Power supply - Ground: 2000V AC 1 minute	
Weight	Approx. 300g	
Protective construction (Front panel)	IP66 (when panel is attached)	
Applicable Standards	CE (EMC / low voltage), RoHS	
Functions	Scaling / Over scale / Alarm setting / Filter / Bar graph display / Display color change	

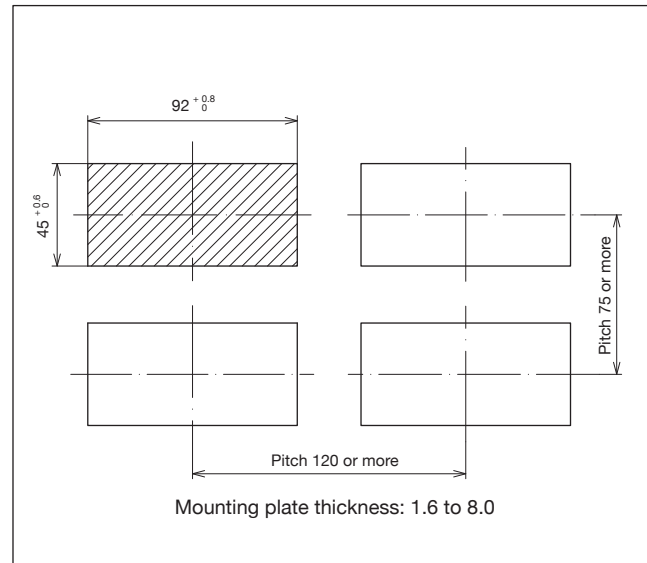
## Dimensions

Unit: mm



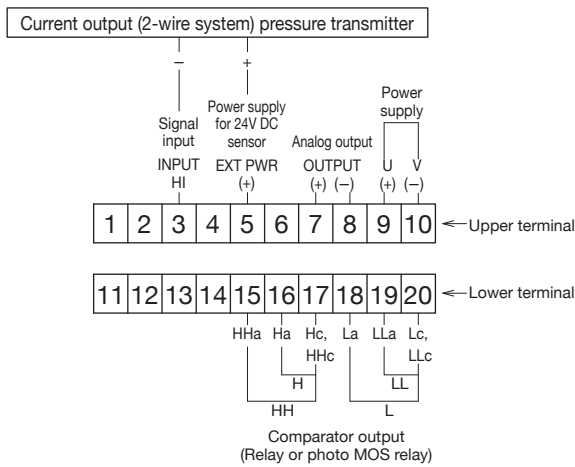
## Panel cut size

Unit: mm

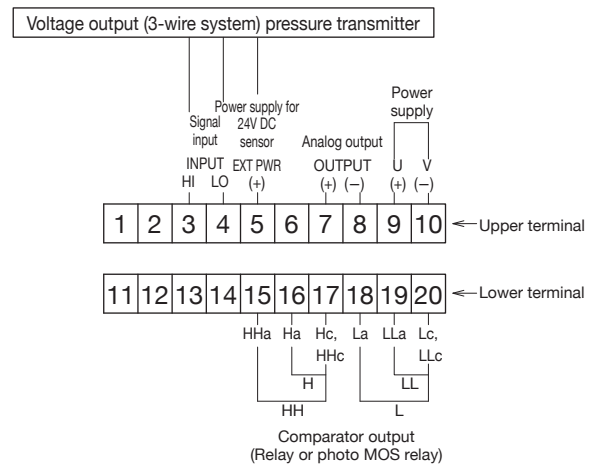


## Wiring

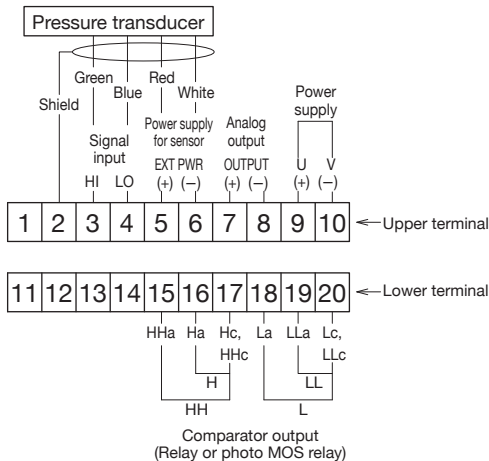
### • Input signal: 4-20mA DC



### • Input signal: 0 to 5V DC, 1 to 5V DC



### • Input signal: Transducer input



### Appearance of power terminal block



## Model number configuration Please specify the model number and each specs for ordering.

Model name		GC91		—			—			× × × × × × × × × ×						
Digital panel meter		①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮
Model number				Selective spec.				Additional spec. (Option)								
GC91				[Standard specifications] Display: 5 1/2-digit red LED (red or green)												
① Power source		1	24V DC													
		9	100 to 240V AC													
② Input signal		1	4-20mA DC				Power supply for connecting sensor 24V DC									
		6	0 to 5V DC													
		8	1 to 5V DC													
		9	Pressure transducer				Power supply for connecting sensor 5V DC									
③ Comparator output		1	Relay													
		2	Photo MOS relay													
④ Analog output		0	None													
		1	4-20mA DC													
		6	0 to 5V DC													
		8	1 to 5V DC													
⑮ Document		0	Nil													
		1	Required													

\* Only "Yes or No" is available for "Documents." Please provide separate specifications in regards to the content.

## Ideal for combination with our various sensors



**KL14**  
Fine differential  
pressure transmitter



**EH15**  
Pressure transmitter



**ZT11**  
Pressure sensor  
for semiconductor industry



**SU76**  
Sanitary type  
pressure sensor



**EJ15\***  
Intrinsically Safe  
Pressure Sensor

\* Please use it combined with a safety barrier.

The contents in the catalog are subject to change without notice.

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