

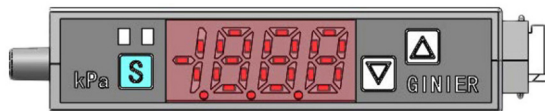
GKG10

compact construction pressure sensor

Selection of instructions

GKG10 - 2N - 1V

● ① Output ytpye ● ② Analog output



① Output ytpye

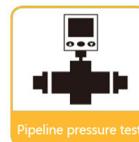
	2N	2P
Output ytpye	2 NPNoutput	2 PNPoutput

② Analog output

	1V
Output ytpye	2 nalog output(1~5V)(0.6~5Vonly positive pressure)

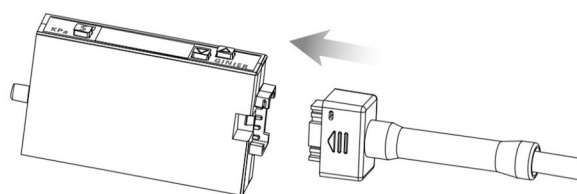
Characteristics

- 2 set of output& Linear analog output (1-5V)
 - The low-weight design
 - Key lock function
 - Unit of pressure conversion
- kPa、kgf / cm²、bar、psi、inHg、mmHg**



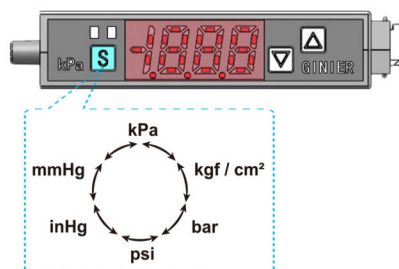
Description of characteristics

1 Easy to install and disassemble



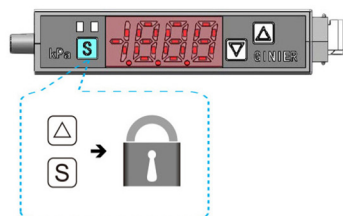
(Installation diagram)

2 The pressure unit is changeable



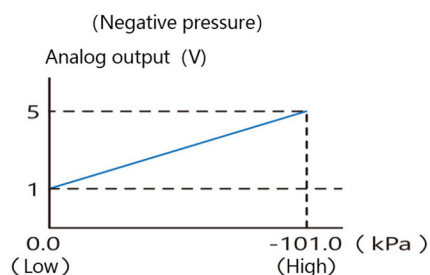
3 Key lock function

- Key lock function mode prevents sensor operation errors
Press button for 3 seconds to enter the key lock function mode



4 Linear analog output

- Linear output conforms to the desired rated pressure range



GKG10

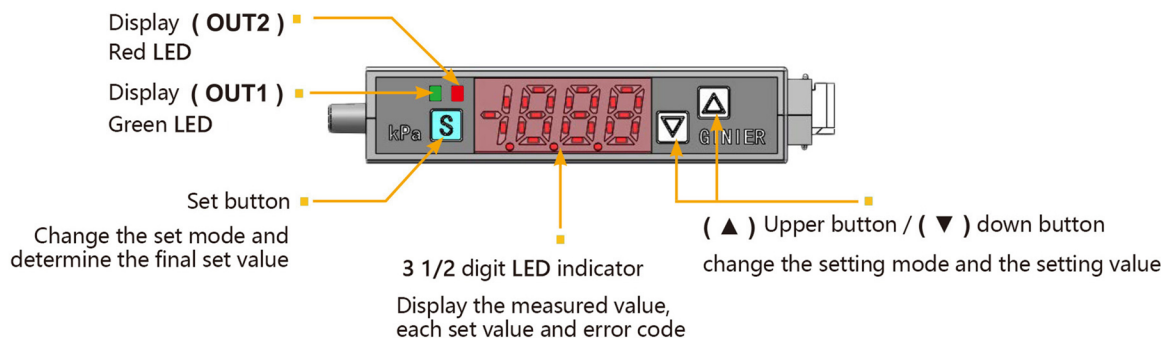
compact construction pressure sensor

Technical data

Type		GKG10-2N-1V	GKG10-2P-1V
		(負圧)	
1.000 MPa 100.0 kPa 0 -105.0 kPa			
Rated pressure range		0.0 ~ -101.0 kPa	
Measuring range		10.0 ~ -105.0 kPa	
Max. overpressure resistance		500 kPa	
Suitable medium		Air, non-aggressive gases, oil-free air	
Pressure unit set minimum scale	kPa	0.1	
	MPa	-	
	kgf / cm ²	0.001	
	bar	0.001	
	psi	0.01	
	inHg	0.1	
	mmHg	1	
Voltage		12 to 24 V DC ± 10 %	
Current consumption		≤ 40 mA (Without load)	
Switch output		2 NPN Output Max. load current : 125 mA Max. supply voltage : 30 V DC Internal pressure drop : ≤ 1.5 V	2 PNP Output Max. load current : 125 mA Max. supply voltage : 24 V DC Internal pressure drop : ≤ 1.5 V
Repeatability		± 0.2 % F.S. ± 1 digit	
Hysteresis	Hysteresis mode	Adjustable	
	Comparison mode	Fixed (3 digits)	
Reaction time		≤ 2.5 ms (Prevent false action function : 25 ms, 100 ms, 250 ms, 500 ms, 1000 ms and 1500 ms optional)	
Output shot circuit protection		Yes	
Indication		3 ½ digit 7 segment LED display (Red)	
Display resolution		± 2 % F.S. ± 1 digit (Around temperature : 25 ± 3 °C)	
Output Indicator		Green indicator : OUT1 & Red : OUT2	
Linear analog output Output voltage	(Voltage output)	1 ~ 5 V ± 2.5 % F.S. (Under set pressure range)	
	Output impedance	around 1K	
	Linear	± 1 % F.S.	
Environmental resistance	Protection grade	IP40	
	Environment temperature	Operation : 0 ~ 50 °C , Storage : -10 ~ 60 °C (No dew and no icing)	
	Environment humidity	Operation and Storage : 35 ~ 85 % RH (No dew)	
	Voltage resistance	1000 V AC 1 minute(between the lead and the housing)	
	Insulation resistance	≥ 50 MΩ (500 V DC) (Between the lead and the housing)	
	Shock resistance	Complex amplitude 1.5mm or 10G, each minute10Hz~150Hz~10Hz, X、Y、Z every direction, per 2 hours	
	Impact resistance	980 m/s ² (100 G) , X、Y、Z 3 times each direction	
Temperature property		± 2 % F.S. (0 ~ 50 °C Between temperature)	
Pipe diameter of joint		Non	
Cable specification		Ø4 Oil resistance PVC - 26 AWG (0.15 mm ²) Five core	
Weight (including 2 meters of cable)		Around 55g	

Display panel instructions

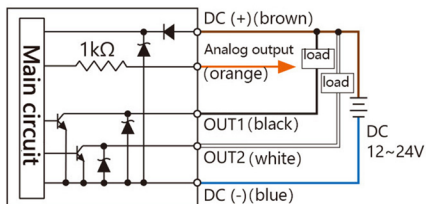
Display panel instructions



Output circuit wiring diagram

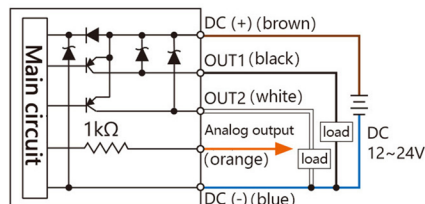
GKG10-2N-1V

2NPN output& analog output (1~5V)
(0.6~5V only positive pressure)



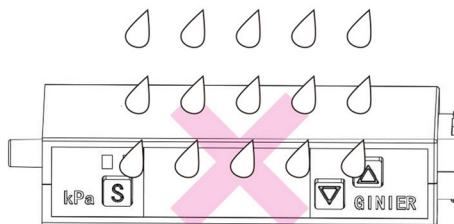
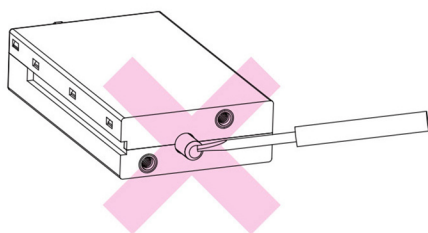
GKG10-2P-1V

2PNP output& analog output (1~5V)
(0.6~5V only positive pressure)



Matters need attention

- Do not use sharp tools to insert the pressure inlet to avoid damage to the sensor chip
- Do not use the product in an environment with water vapor or dust, otherwise it may cause failure



GKG10

compact construction pressure sensor

Drawing for dimension / component type

