

6-4

Pressure transmitter GSP Series



Application

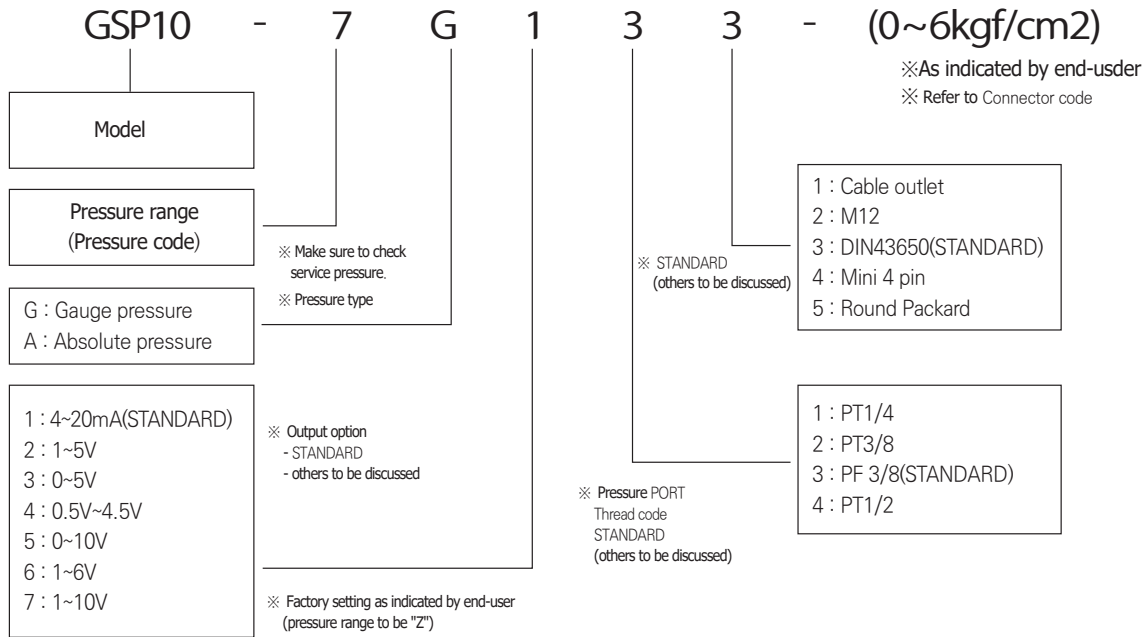
GSP10 SERIES is pressure transmitter that is specially designed for press pump and air-compressor in air-condition, refrigerator, water treatment control system.
It can be applied to various industries and meet the most demands of structures, output types, pressure ranges.
Its compact design is for installation to narrow space especially.

- Hydraulic and Pneumatic
- Chemicals with its industry
- Compressore
- Ink-jet printer, etc

Technical Data

	GSP10		
Pressure types	Gauge pressure	Absolute pressure	Compound pressure
pressure range	0~35kPa to 10MPa	0~100kPa to 2.5MPa	-100kPa~0 to 2.5MPa
Burst pressure	600% fs(max.30MPa)		
Fluid/Media	Liquid, Gas, Fluid(Excluding environments of SUS136 corrosion)		
Power supply	4~20mA(12~30VDC) / 0.5~4.5V R/M(5VDC) ,0~5V,0~10V(12~30VDC)		
Consumption power	Output current : below 20mA, Voltage output : below 10mA		
Accuracy	±0.5%FS(typ.), ±1%FS(max.)		
Nonlinearity	±0.35%FS(BFSL)		
Hysteresis & repeatability	±0.1%FS		
Temp.drift	±1.5%FS(-20℃~85℃)		
Response time	<4ms		
Service life	≥10x10 ⁶ pressure cycles		
Operating temp.humidity	-20℃~80℃ ,30~85%RH		
Medium temp.	-30℃~105℃		
Storage temp.	-40℃~120℃		
EMC-interference	IEC 61000-6-3		
EMC-immunity	IEC 61000-6-2		
Insulation resistance	≥100MΩ/500VDC(200MΩ/250VDC)		
Vibration resistance	Sine curve:20g,25Hz~2kHz:IEC 600068-2-6		
	Random : 7.5grms,5Hz~1kHz: IEC 600068-2-64		
Shock resistance	Shock:200g/1ms: IEC 600068-2-27		
	Free fall:1m: IEC 600068-2-32		
Protection	IP65		
Material	Liquid contacting part:ASTM S31603(AISI316L),NIPPLE part(SUS316)		
	Housing:ASTM S30400(AISI304)		
	Electrical connection:PA66		
Net weight	50g~90g		
Size of hexagon	27mm		
Max.mounting torque	25Nm		

Ordering Specification



Pressure range

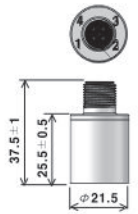
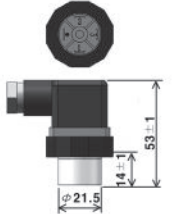
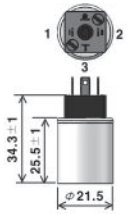
Pressure code	Pressure type	Pressure range	Overpressure	Burst pressure	Remark
1	G	0~35kPa	300%FS	600%FS	
2	G	0~70kPa	300%FS	600%FS	
3	G,A	0~100kPa	200%FS	500%FS	
4	G	0~160kPa	200%FS	500%FS	
5	G,A	0~250kPa	200%FS	500%FS	
6	G	0~400kPa	200%FS	500%FS	
7	G,A	0~600kPa	200%FS	500%FS	
8	G,A	0~1MPa	200%FS	500%FS	
9	G,A	0~1.6MPa	200%FS	500%FS	
A	G,A	0~2.5MPa	200%FS	500%FS	
B	G	0~4MPa	200%FS	400%FS	
C	G	0~6MPa	200%FS	400%FS	
D	G	0~10MPa	200%FS	300%FS	
E	V	-100kPa ~ 0kPa	200%FS	600%FS	
F	G	-100kPa ~ 0.6MPa	200%FS	500%FS	
G	G	-100kPa ~ 1MPa	200%FS	500%FS	
H	G	-100kPa ~ 1.6MPa	200%FS	500%FS	
I	G	-100kPa ~ 2.5MPa	200%FS	500%FS	
Z	Others				

Accessories

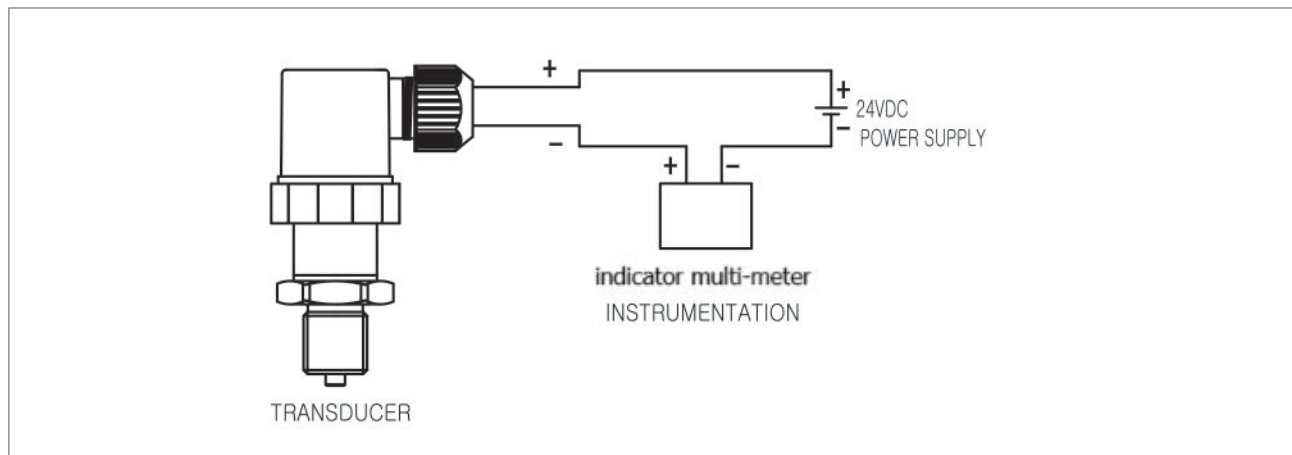
Name	M4 damper	M12 connector	Mini 4pin connector	Round Packard connector
Shape				

※ to be discussed when order

Shape Dimension

Connector Code	1: Cable outlet	2: M12	3: DIN43650	4: Mini 4Pin	5: Round Packard
Dimension (mm)					
Connection mode (Current 2 Wires)	Red : Supply(+) Green : Current output	Pin 1 : Supply(+) Pin 2 : Current output Pin 3 : Pending	Pin 1 : Supply(+) Pin 2 : Current output Pin 3 : Pending	Pin 1 : Supply(+) Pin 2 : Current output Pin 3 : Pending	Pin 1 : Supply(+) Pin 2 : Current output Pin 3 : Pending
Connection mode (Voltage 3 Wires)	Red : Supply(+) Green : Ground Yellow : Voltage output	Pin 1 : Supply(+) Pin 2 : Voltage output Pin 3 : Ground	Pin : Supply(+) Pin 2 : Ground Pin 3 : Voltage output	Pin 1 : Supply(+) Pin 2 : Ground Pin 3 : Voltage output	Pin 1 : Supply(+) Pin 2 : Ground Pin 3 : Voltage output

Wiring Diagram



Thread code	1: PT1/4	2: PT3/8	3: PF3/8	4: PT1/2
Dimension (mm)	