



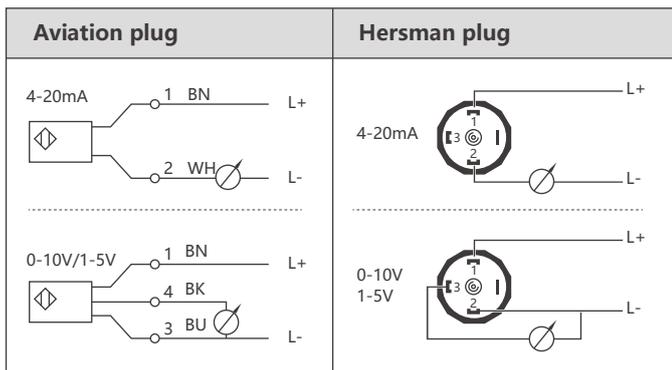
principle structure

Compact diffused silicon pressure transmitter, OEM customers best choice wide use temperature zone, compact structure, suitable for harsh environment, high reliability. Wide range (0...60bar) can be used to measure pressure and absolute pressure. Suitable for mechanical equipment, hydraulic pneumatic devices, locomotives, pressure control.

Technical parameters

- ◇ measurement range: See range
- ◇ overload range: $\leq 10\text{bar}, 4x; \leq 600\text{bar}, 2x$
- ◇ Cardiac precision: 0.1%, 0.2%, 0.5%
- ◇ linearity: $\pm 0.2\%$
- ◇ repeatability: $\leq \pm 0.1\text{FS}$
- ◇ stability: Better than the annual 0.01% range
- ◇ temperature impact: $< \pm 0.02\% \text{FS/K}$
- ◇ response time: $< 200\text{ms}(10\% \dots 90\% \text{FS})$
- ◇ Cardiac power supply: 10...30VDC(3-wire 14...30V)
- ◇ Cardiac load: $\geq 10\text{K}\Omega(0\text{...}10\text{V}), \geq 5\text{K}\Omega(1\text{...}5\text{V})$
 $\leq (U_B - 10)\text{V}, 0.02\text{A}(4\text{...}20\text{mA})$
- ◇ energy consumption: Signal current (2-wire) , 8mA(3-wire)
- ◇ electrical protection: Overload/reverse protection
- ◇ ambient temperature: $-30\text{...}85^\circ\text{C}$
- ◇ medium temperature: $-25\text{...}80^\circ\text{C}$
- ◇ storage temperature: $-30\text{...}100^\circ\text{C}$
- ◇ protection level: IP65
- ◇ shell material: Stainless steel 304
- ◇ fluid material: Stainless steel 316L
- ◇ His seal: Element fluorine rubber
- ◇ His weight: 0.10Kg
- ◇ electrical connection: Hersman joint

wiring diagram

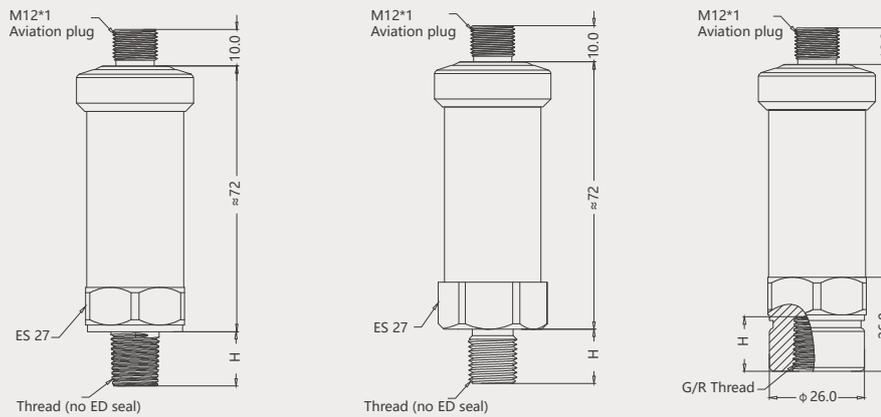
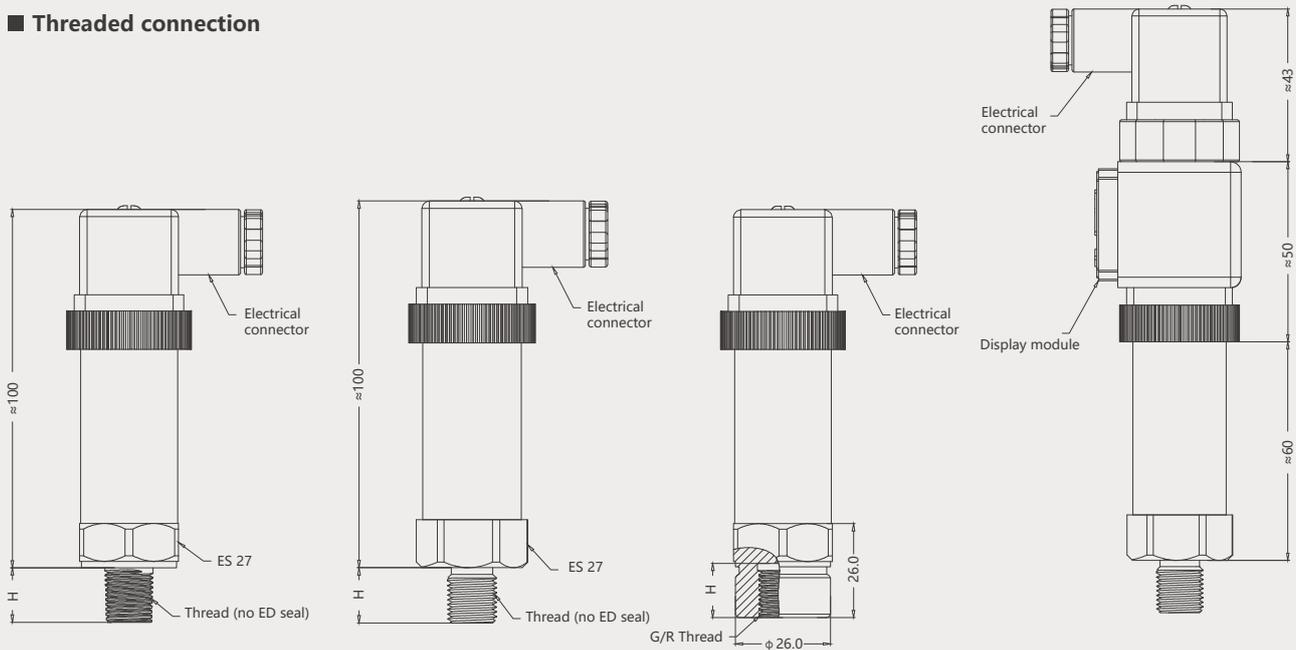


Range code

standard range	G age pressure code	A bsolute pressure code	standard range	G age pressure code	standard range	R ange of code
0...50m bar	B005	A005	0...60bar	B60	-10...10KPa	F10
0...100m bar	B01	A01	0...100bar	B100	-50...50KPa	F50
0...350m bar	B035	A035	0...160bar	B160	-100...100KPa	F100
0...600m bar	B06	A06	0...250bar	B250	-100...0KPa	F110
0...1bar	B1	A1	0...400bar	B400	-100...900KPa	F900
0...2bar	B2	A2	0...600bar	B600		
0...6bar	B6	A6	0...1000bar	B1000		
0...10bar	B10	A10	0...1500bar	B1500		
0...25bar	B25	A25	0...2500bar	B2500		

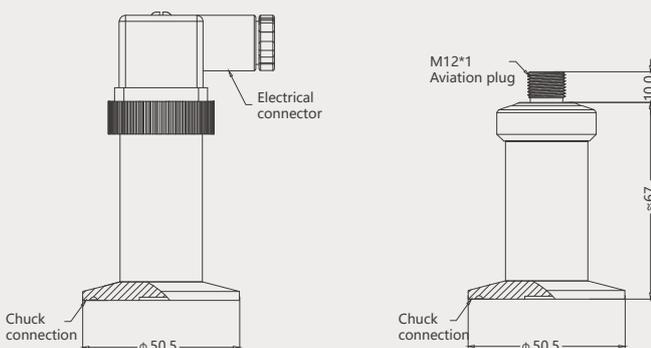
Size chart (mm)

■ Threaded connection



	Screw thread	Thread height(H)
Male thread	G1/4	15
	G1/2	18
	M20*1.5	18
	M22*1.5	18
	R1/4	15
	R1/2	18
	NPT1/4	15
Internal thread	NPT1/2	18
	R1/4	15
	G1/4	15

■ Chuck connection



Selection table

PM200-	B	2	G14M	A	B	-	expatiate
PM200-							PM200 universal pressure transmitter
	B						Range (see range table for details)
		2					Accuracy class: 0.2%
		5					Accuracy class: 0.5%
			N14M				Process connection: NPT1/4 external thread
			N12M				Process connection: NPT1/2 external thread
			G14M				Process connection: G1/4 external thread
			G12M				Process connection: G1/2 external thread
			M20M				Process connection: M20*1.5 external thread
			M22M				Process connection: M22*1.5 flat model external thread
			R14M				Process connection: R (PT) 1/4 external thread
			R12M				Process connection: R (PT) 1/2 external thread
			R14K				Process connection: R1/4 internal thread
			G14K				Process connection: G1/4 internal thread
			H50				Flat film type: 1.5 inch chuck (outer diameter 50.5mm) (suitable for $\leq 1.6\text{MPa}$)
				A			Output signal: 4... 20mA (two-wire system)
				V05			Output signal: 0... 5V output
				V15			Output signal: 1... 5V output
				V010			Output signal: 0... 10V output
				V110			Output signal: 1... 10V output
					B		Outlet: DIN43650 Hersman plug
					M		Outlet mode: M12 aviation plug-in
						-	No display
						D10A	With LED display (only 4-20mA current output signal type)



Integrated display unit

The display table is an electronic device used for digital display of the sensor signal, which can be set to the required display range by setting the button

- Free programming via processor
- No field setup required
- With 4... Sensor with 20mA output
- Protection level IP55
- Easy to operate

Optional accessories - electrical accessories(Factory standard: ZL02-PC02G-P)

name	Outline drawing/dimension drawing (mm)	material	model
M12*1-4Pin (2m cable)		PUR	ZL02-PU02G-P
M12*1-4Pin (5m cable)			ZL02-PU05G-P
M12*1-4Pin (10m cable)			ZL02-PU010G-P
M12*1-4Pin (2m cable)		PUR	ZL02-PC02G-P
M12*1-4Pin (5m cable)			ZL02-PC05G-P
M12*1-4Pin (10m cable)			ZL02-PC10G-P
M12*1-4Pin (2m cable)		PVC	ZL02-PC02W-P
M12*1-4Pin (5m cable)			ZL02-PC05W-P
M12*1-4Pin (10m cable)			ZL02-PC10W-P

M12* 1-4pin self-connector/size drawing (mm)	model
	GL04 (4Pin joint)
	WL04 (4Pin joint)

Optional accessories - electrical accessories(Factory standard: ZL03-PC02G)

name	Outline drawing/dimension drawing (mm)	material	model
M12*1-4Pin (2m cable)		PUR	ZL03-PU02G
M12*1-4Pin (5m cable)			ZL03-PU05G
M12*1-4Pin (10m cable)			ZL03-PU010G
M12*1-4Pin (2m cable)		PVC	ZL03-PC02G
M12*1-4Pin (5m cable)			ZL03-PC05G
M12*1-4Pin (10m cable)			ZL03-PC10G
M12*1-4Pin (2m cable)		PUR	ZL03-PU02W
M12*1-4Pin (5m cable)			ZL03-PU05W
M12*1-4Pin (10m cable)			ZL03-PU010W
M12*1-4Pin (2m cable)		PVC	ZL03-PC02W
M12*1-4Pin (5m cable)			ZL03-PC05W
M12*1-4Pin (10m cable)			ZL03-PC10W