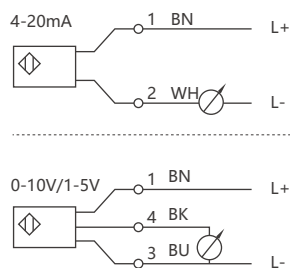




wiring diagram

Aviation plug



Principle and Characteristics

Diffused silicon pressure sensor, strong overload ability, good stability, strong anti-interference ability, high precision and repeatability, up to 0.2, 0.5, good corrosion resistance measurement interface. Widely used in: process control, environmental control, hydraulic and pneumatic equipment, servo valves and drives, chemical products and chemical industry and medical instruments and many other fields.

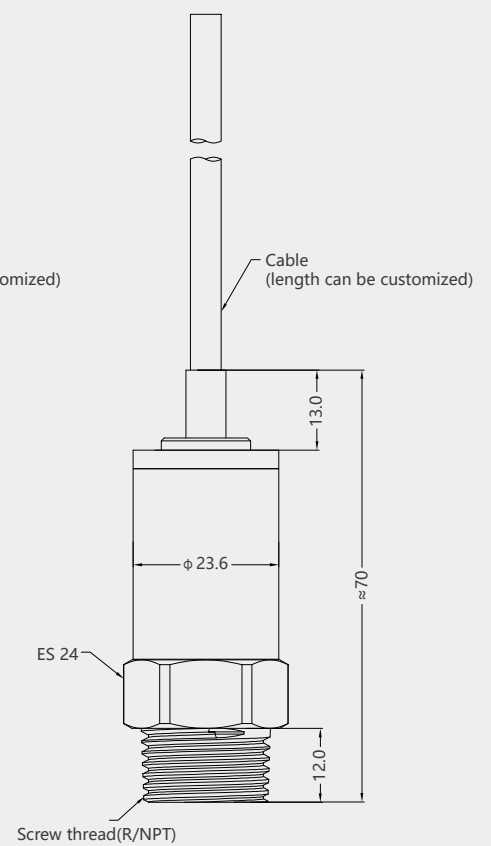
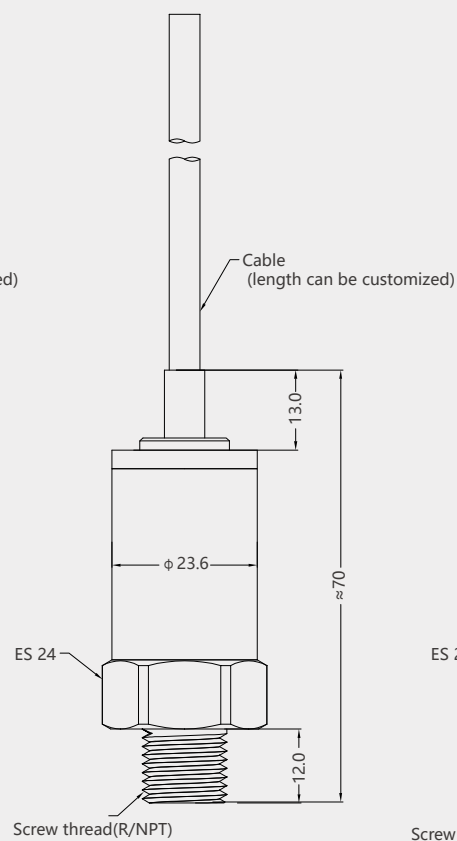
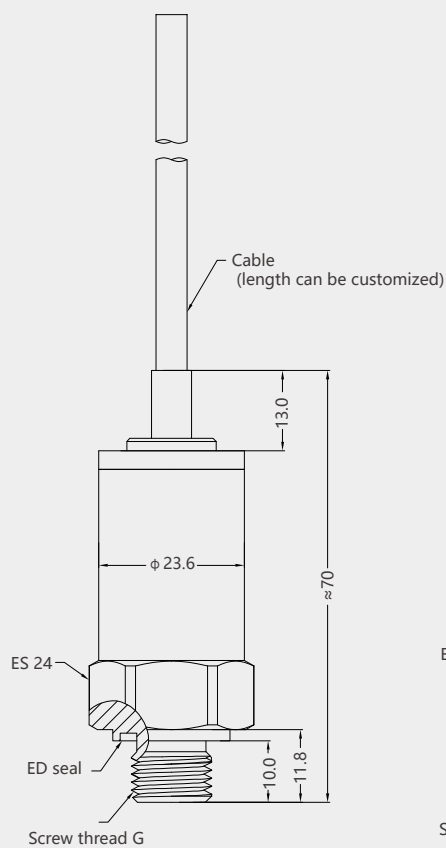
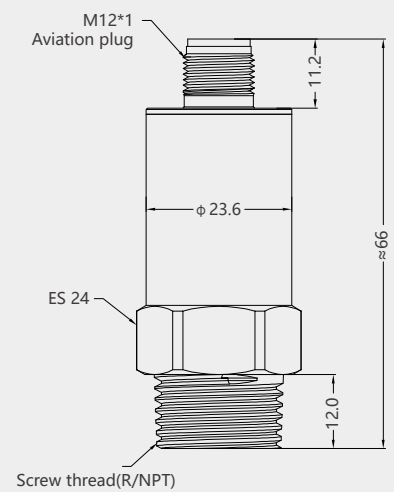
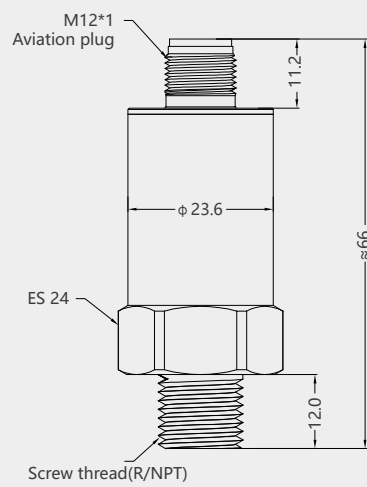
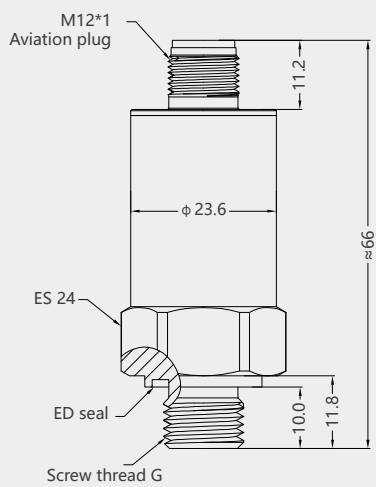
Technical parameters

- ◇ Measuring range: See range code
- ◇ Overload range: 150% full scale
- ◇ Accuracy: 0.2%, 0.5%
- ◇ Linearity: $\pm 0.2\%$
- ◇ Repeatability: $\leq \pm 0.1\text{FS}$
- ◇ Stability: better than 0.01% range per year
- ◇ Temperature effect: $< \pm 0.02\% \text{FS/K}$
- ◇ Response time: $< 10\text{ms}$ (10... 90%FS)
- ◇ Power supply: 12... 30VDC
- ◇ Load: $\geq 10\text{K}\Omega$ (0... 10 V), 5 k or more Ω (1... 5V)
- $\leq (\text{UB}-10)\text{V}/0.02\text{A}$ (4... 20mA)
- ◇ Energy consumption: $< 30\text{mA}$
- ◇ Electrical protection: overload/reverse protection
- ◇ Ambient temperature: $-30\ldots 85\text{ }^{\circ}\text{C}$
- ◇ Medium temperature: $-25\ldots 80\text{ }^{\circ}\text{C}$
- ◇ Storage temperature: $-30\ldots 100\text{ }^{\circ}\text{C}$
- ◇ Protection grade: IP67
- ◇ Shell material: stainless steel 316

Range code

Standard range	Gage pressure code	Absolute pressure code	Standard range	Gage pressure code	Standard range	Range of code
0...50 m bar	B005	A005	0...60 bar	B60	-10...10 KPa	F10
0...100 m bar	B01	A01	0...100 bar	B100	-50...50 KPa	F50
0...350 m bar	B035	A035	0...160 bar	B160	-100...100 KPa	F100
0...600 m bar	B06	A06	0...250 bar	B250	-100...0 KPa	F110
0...1 bar	B1	A1	0...400 bar	B400	-100...500 KPa	F150
0...2 bar	B2	A2	0...600 bar	B600	-100...900 KPa	F190
0...6 bar	B6	A6	0...1000 bar	B1000		
0...10 bar	B10	A10				
0...25 bar	B25	A25				

Size chart (mm)



Selection table

PM 242 -	B	2	G 14 M	A	-	expatiate
PM 242 -						PM 242 pressure transmitter
	B					Range (see range table for details)
		2				Accuracy class: 0.2
		5				Accuracy class: 0.5
			G 14 M			Process connection: External thread G1/4 (ED seal)
			N 14 M			Process connection: external thread NPT1/4
			N 12 M			Process connection: external thread NPT1/2
				A		Output signal: 4... 20mA output (two-wire system)
				V15		Output signal: 1... 5V output (three-wire system)
				V010		Output signal: 0... 10V output (three-wire system)
				V110		Output signal: 1... 10V output (three-wire system)
					-	Outlet mode: M12*1 aviation cable
					Z	Outlet mode: Direct outgoing mode

The display represents an electronic device used for digital display of sensor signals, which can be set to the desired display range by setting a button

- Free programming through the processor
- No site setting required
- With 4... 20mA output sensor
- Protection level IP67
- Simple operation

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)		PVC	ZL02-PC02G-P
M12*1-4Pin (5m cable)			ZL02-PC05G-P
M12*1-4Pin (10m cable)			ZL02-PC010G-P
M12*1-4Pin (2m cable)		PUR	ZL02-PU02W-P
M12*1-4Pin (5m cable)			ZL02-PU05W-P
M12*1-4Pin (10m cable)			ZL02-PU010W-P
M12*1-4Pin (2m cable)		PVC	ZL02-PC02W-P
M12*1-4Pin (5m cable)			ZL02-PC05W-P
M12*1-4Pin (10m cable)			ZL02-PC010W-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-PC010G
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-PC010W