



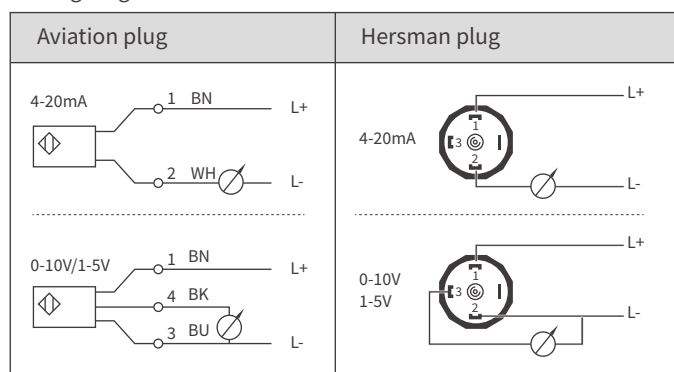
Principle structure

Ceramic pressure transmitter, cost-effective, compact structure, suitable for harsh environments, wide range (-1... 100bar), can be used to measure gauge pressure, negative pressure. Suitable for mechanical equipment, constant pressure control, pneumatic device, locomotive, pressure control.

Technical parameter

◇ Measuring range:	See range code
◇ Overload range:	$\leq 10\text{bar} \times 1.5\text{x full scale}$; $\leq 100\text{bar} \times 1.2\text{ times full scale}$
◇ Accuracy:	0.5%, 1.0%
◇ Linearity:	Plus or minus 0.5% or less
◇ Repeatability:	0.5 mm or less FS
◇ Stability:	Better than 0.5% range per year
◇ Temperature effect:	$< \pm 0.5\% \text{FS/K}$
◇ Response time:	$< 100\text{ms}$ (10... 90%FS)
◇ Power supply:	10... 30VDC (3-wire 14... 30V)
◇ Load:	10 k or higher Ω (0... 10 v), 5 k or more Ω (1... 5V) $\leq (UB-10)\text{V}, 0.02\text{A}$ (4... 20mA)
◇ Energy consumption:	Signal Current (2-wire), 8mA (3-wire)
◇ Electrical protection:	Overload/reverse protection
◇ Ambient temperature:	-30... 85 °C
◇ Medium temperature:	25... 80 °C
◇ Storage temperature:	-30... 100 °C
◇ Protection level:	IP65
◇ Shell material:	Stainless steel 304
◇ Liquid material:	Stainless steel 304/ Ceramic/fluorine rubber
◇ Sealing:	Fluorin rubber
◇ Weight:	0.10 Kg
◇ Electrical connection:	Hersman joint

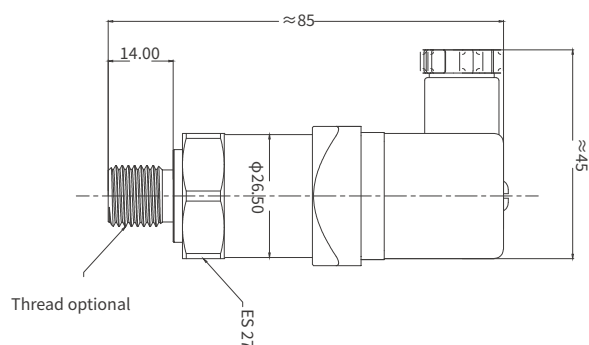
wiring diagram



Range code

Standard range	Gauge pressure range	Standard range	Gauge pressure range	Standard range	Range code
0...1bar	B1	0...60bar	B60	-100...100KPa	F100
0...2bar	B2	0...100bar	B100	-100...0KPa	F110
0...6bar	B6			-100...500KPa	F500
0...10bar	B10			-100...1000KPa	F1000
0...25bar	B25			-100...1600KPa	F1600
				-100...2500KPa	F2500

Size drawing (mm)



Selection list

PM 230-	B	2	G14M	A	B	-	expatiate
PM 230-							PM 230 ceramic pressure transmitter
	B						Range see range table
		A					Accuracy class 0.5%
		B					Accuracy class 1.0%
			N14M				Process connection with external thread NPT1/4
			N12M				Process connection with external thread NPT1/2
			G14M				Process connection with external thread G1/4
			G12M				Process connection with external thread G1/2
			M 20M				Process connection external thread M 20*1.5
				A			4... 20mA (two-wire system)
				V05			0... 5V output
				V15			1... 5V output
				V010			0... 10V output
					B		DIN43650 Hersman plug
					M		M 12*1 aviation plug
						-	No display
						D10A	With LED display (only 4-20mA current output signal type)

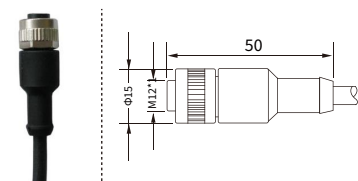
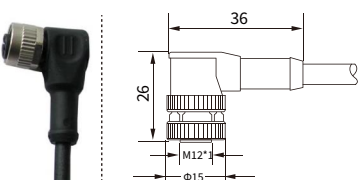
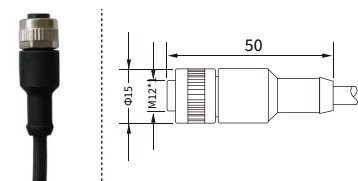
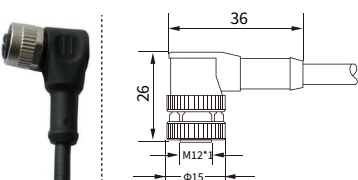


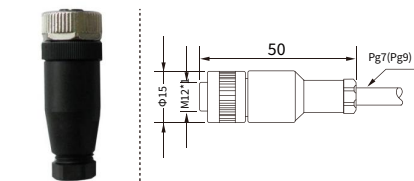
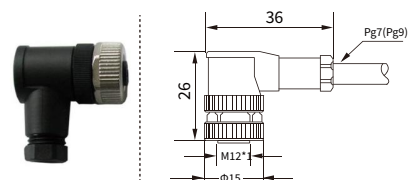
Integrated display unit

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

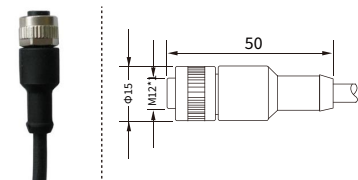
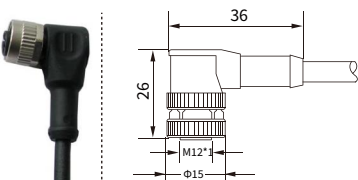
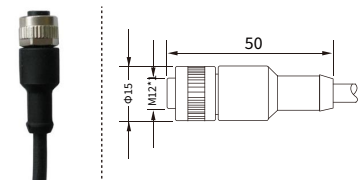
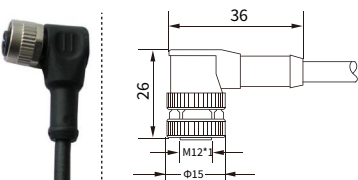
- Free programming via processor
- No field setup required
- With 4... Sensor with 20mA output
- Protection level IP55
- Easy to operate

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)		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