Pressure transmitter PM220



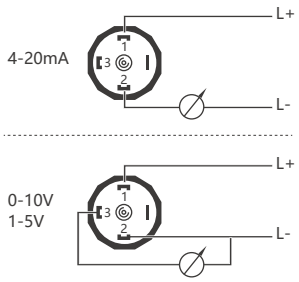
The principle of structure

Compact diffused silicon pressure transmitter, the best choice for OEM customers wide use of temperature zone, compact structure, suitable for harsh environment, high reliability. Wide range (0... 60bar), which can be used for measuring gauge pressure and absolute pressure. Suitable for mechanical equipment, hydraulic pneumatic device, locomotive, pressure control.

Technical parameters	
◇Measuring range:	See the range code
◇ overload range:	10 or less bar,4x;600 bar,or less 2x
◇Cardiac precision:	0.1%, 0.2%, 0.5%
◇ linearity:	Plus or minus 0.2%
◇ repeatability:	0.1 mm or less FS
◇ stability:	Better than 0.01% annual range
◇ temperature impact:	"Plus or minus 0.02% FS/K
◇ response time:	<10 ms (10... 90% FS)
◇Cardiac power supply:	10... 30VDC (3 - wire 14...30 v)
◇Cardiac load:	10k or higherΩ(0...10 v),
	5k or moreΩ(1...5v)
	(UB - 10 or less)V, 0.02A (4...20 ma)
◇ energy consumption:	Signal current (2-wire), 8mA(3-wire)
◇ electrical protection:	Overload/invert protection
◇ ambient temperature:	- 30... 85 ℃
◇ medium temperature:	25... 80 ℃
◇ storage temperature:	- 30... 100 ℃
◇ protection level:	IP65
◇Shell material:	Stainless steel 304
◇ liquid receiving material:	Stainless steel 316 l
◇His seal:	Element fluorine rubber
◇His weight:	0.10 Kg
◇ electrical connection:	Hersman joint

wiring diagram

Hersman plug



Range of code

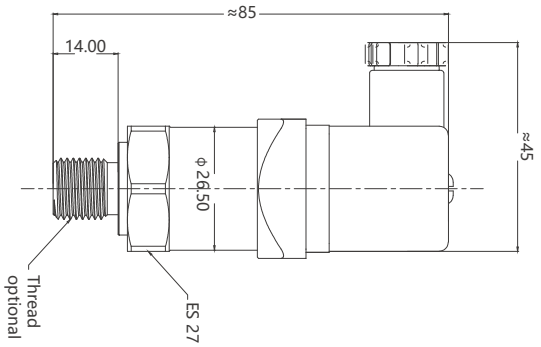
standard range	Gage pressure code	Absolute pressure code
0...50mbar	B005	A005
0...100mbar	B01	A01
0...350mbar	B035	A035
0...600mbar	B06	A06
0...1bar	B1	A1
0...2bar	B2	A2
0...6bar	B6	A6
0...10bar	B10	A10
0...25bar	B25	A25

standard range	Gage pressure code
0...60bar	B60
0...100bar	B100
0...160bar	B160
0...250bar	B250
0...400bar	B400
0...600bar	B600

standard range	Range of code
-10...10KPa	F10
-50...50KPa	F50
-100...100KPa	F100
-100...0KPa	F110

Pressure transmitter PM220

Size chart (mm)



Selection table

PM220-	B	2	G14M	A	B	-	Detailed
PM220-							PM220 Pressure transmitter
	B						Gage pressure
		2					Precision grade 0.2
		5					Precision grade 0.5
			N14M				Process to connect external threads NPT1/4
			N12M				Process to connect external threads NPT1/2
			G14M				Process to connect external threads G1/4
			G12M				Process to connect external threads G1/2
			M20M				Process to connect external threads M20*1.5
				A			4...20mA（Two wire system）
				V05			0...5V output
				V15			1...5V output
				V010			0...10V output
					B		DIN43650 Hersman plug
						-	No display
						D10A	With LED display (only 4-20mA current output signal type)