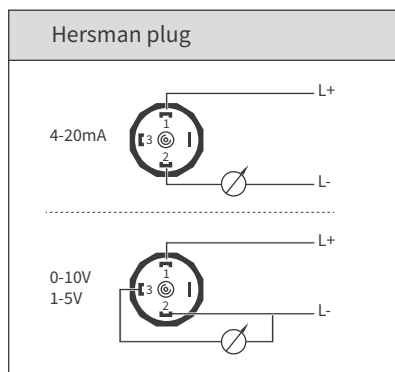




wiring diagram



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 °C
◇ medium temperature:	25... 80 °C
◇ storage temperature:	- 30... 100 °C
◇ 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

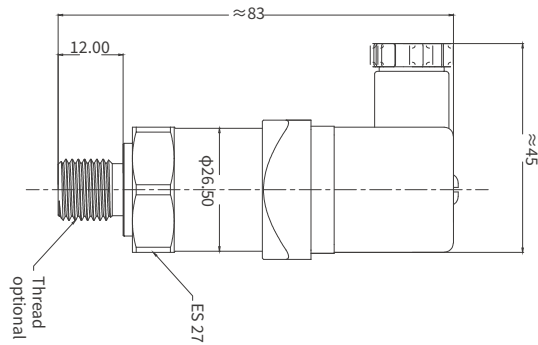
Range of code

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

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

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

Size chart (mm)



Selection table

PM 220-	B	2	G 14M	A	B	-	Detailed
PM 220-							PM 220 Pressure transmitter
	B						Gage pressure
		2					Precision grade 0.2
		5					Precision grade 0.5
			N 14M				Process to connect external threads NPT1/4
			N 12M				Process to connect external threads NPT1/2
			G 14M				Process to connect external threads G1/4
			G 12M				Process to connect external threads G1/2
			M 20M				Process to connect external threads 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
						-	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