



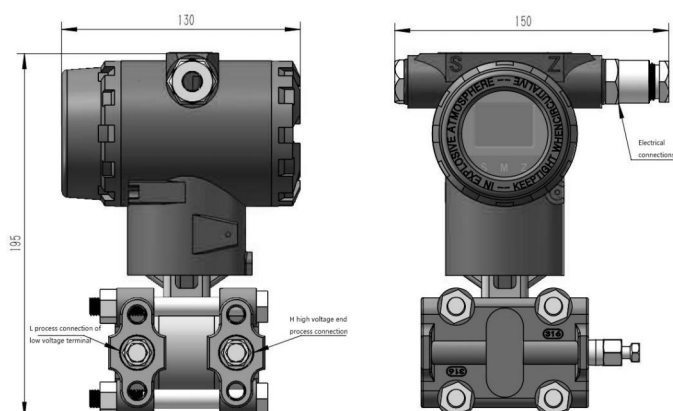
principle

PM800C digital circuit design, high precision, reliable long-term zero and linear stability, liquid crystal display (LCD), range can be compiled function, lightning protection, the radio frequency interference, liquid crystal display (LCD), zero and range can be adjusted via buttons, custom user menu, can be used to measure the differential pressure, pressure, flow, liquid level, density, etc., meet the requirements of different working condition of users.

product application

- chemical and petroleum industries
- process engineering
- danger area
- mechanical manufacturing

Size chart (mm)



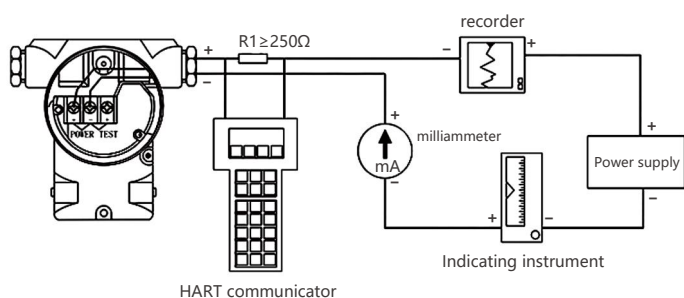
Technical parameters

- ◇ measurement range: 0... 100 kpa... 10 mpa
- ◇ overload pressure: 150% f.s.
- ◇ power supply voltage: DC16... 30 v
- ◇ precision, analog signal: $\leq \pm 0.1\%FS$, including nonlinear precision, return error, Zero offset and full range point deviation (in accordance with iec 61298-2)

Long-term deviation: $\leq \pm 0.1f.s$

- ◇ connections: terminals
- ◇ safety: short circuit protection, reverse polarity protection
- ◇ insulation: DC500V
- ◇ overvoltage: DC36V
- ◇ medium temperature: -20... 85 °C
- ◇ ambient temperature: -20... 80 °C
- ◇ storage temperature: -20... 75 °C
- ◇ seismic resistance: 20g (iec60068-2-6)
- ◇ Impact resistance: 500g (iec 60068-2-27)
- ◇ protection level: IP68
- ◇ liquid parts: 316L, hastelloy alloy C, tantalum
- ◇ shell: cast aluminum
- ◇ Electrical connections: g1/2, M20*1.5, npt1/2
- ◇ sealing material: fluorine rubber

wiring diagram



Selection table

PM 800C -	S	010	N14K	A	0	G	S	detailed
PM 800C -								Intelligent pressure transmitter
	S							316L
	C							Hartz alloy C
	T							tantalum
		006						Scale range: -6KPa...6KPa
		010						Scale range: -10KPa...10KPa
		035						Scale range: -35KPa...35KPa
		070						Scale range: -70KPa...70KPa
		0100						Scale range: -100KPa...100KPa
		0300						Scale range: -300KPa...300KPa
		1000						Scale range: -1000KPa...1000KPa
			N14K					NPT1/4 Internal thread
			N14M					NPT1/4 External thread
			N12K					NPT1/2 Internal thread
			N12M					NPT1/2 External thread
			M20M					M20*1.5 External thread
				A				4...20mA (two-wire system)
				AH				4...20mA+HRAT(two-wire system)
					0			No display
					1			With digital LCD display
						G		Electric gran head (PG13.5)
						M20K		M20*1.5 Internal thread
						G12K		G1/2 Internal thread
						N12K		NPT1/2 Internal thread
							E	explosion-proof
							S	No explosion-proof