

SMP6550

Features

- Power supply 3-5VDC, available battery power.
- Low power, operating current less than 800uA.
- Intermittent power supply mode, 400us get accurate pressure data.
- Stainless steel, anti-corrosion, long term work stable and reliable



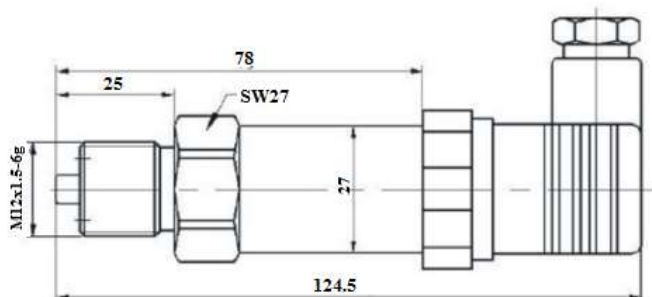
Application

- Mine tunnel hydraulic testing.

Specification:

Pressure range	0-2...100MPa
Overpressure	2times FS
Accuracy grade	±0.25% FS, ±0.5% FS, ±1% FS (Nonlinearity, repeatability, hysteresis)
Power supply	3 to 5VDC, 3 to 16VDC
Compatible medium	Compatible with stainless steel, fluorine rubber
Operating current	< 800uA
Output	0.25-2.25VDC
Insulation resistance	100MΩ/500V
Pressure port	M20x1.5, G1/2, G1/4, KJ10, DN10
Response time	< 10ms(0...99%)
Protection level	IP65
Shock	20g 11ms
Impact	10g/5...2000Hz X/Y/Z
Working Temperature	-15to 60°C
Electromagnetic compatibility	EMI: EN50081-1/-2, Electromagnetic sensitivity: EN50082-2

Outline Construction (Unit: mm)



C1 TYPE

SMP6550

Electrical connection:

Code	Definition	Wire color
1	VCC	Red
2	GND	Black
3	V out	Blue

Selection Guide:

SMP6550 pressure sensor			
Pressure code	Measuring range -0.1MPa, 0-2MPa...100MPa		
[0-X]MPa	X: Actual measuring range		
	Code	Output signal	
	G1	0.25-2.25VDC	
		Code	Additional function
		C1	M20x1.5 male screw pressure interface, end face seal
		C2	G1/4male screw pressure interface
		C3	G1/2 male screw pressure interface
		C4	G1/4 Internal screw thread pressure interface
		C5	M20x1.5 male screw pressure interface, waterline seal
		C6	Mine U type pin type, joint DN10 male
		C7	NPT1/4 male screw pressure interface
		C8	Mine U type pin type, joint DN10 female
Full model: for example: SMP6550-[0-60]MPa-G1-C1			

Selection note:

- 1: Please note that the measured medium is compatible with the contact medium.
- 2: Equipped with special power supply in coal mine using.