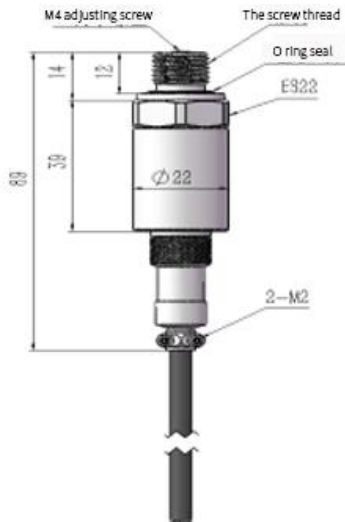




dimension figure



principle and characteristics

Compact ceramic piezoresistive pressure transmitter, wide choice, compact structure, suitable for harsh environment, high reliability. Wide range (0... 600bar), which can be used to measure gauge pressure and absolute pressure. Suitable for mechanical equipment, hydraulic pneumatic device, locomotive, pressure control.

technical specification

- ◆ Measurement range: customized according to user requirements
- ◆ Overload range: 1.5 times of measuring range
- ◆ Precision: 0.2%, 0.5%
- ◆ linearity: $\pm 0.2\%$
- ◆ Repeatability: $\leq \pm 0.1\%$
- ◆ Stability: no more than the accuracy of the transmitter within 1 year
- ◆ Temperature effect: $< \pm 0.02\%FS/K$
- ◆ Response time: $< 1ms(10\% \dots 90\%FS)$
- ◆ Power supply: 10... 30VDC(3-wire 14... 30V)
- ◆ load: $\geq 10K\Omega(0\dots 10V), \geq 5K\Omega(1\dots 5V)$
 $\leq (UB-10)V, 0.02A(4\dots 20mA)$
- ◆ Power consumption: Signal current (2-wire), 8mA(3-wire)
- ◆ Electrical protection: overload/reverse phase protection
- ◆ Ambient temperature: $-30\dots 85\text{ }^\circ\text{C}$
- ◆ medium temperature: $-25\dots 80\text{ }^\circ\text{C}$
- ◆ Storage temperature: $-30\dots 100\text{ }^\circ\text{C}$
- ◆ Protection grade: IP65
- ◆ Shell material: 304 stainless steel
- ◆ Liquid material: 304 stainless steel
- ◆ Sealing: fluorine rubber
- ◆ Weight: 0.10kg

Selection table

PN501-	GB001	C	G4	H	4	C	B	specification
PN501-								PN501 series ceramic piezoresistive
	GP001							range: 0--10Kpa
	GB001							range: 0--1bar
	GB010							range: 0--10bar
	GP-100..0							Range: according to the actual range customized negative pressure selection,
		B						Accuracy grade: 0.2
		C						Accuracy grade: 0.5
			N4					Interface thread: NPT1/4
			N2					Interface thread: NPT1/2
			G4					Interface thread: G1/4
			G2					Interface thread: G1/2
			M2					Interface thread: M20*1.5
								Custom thread
				H				external thread
				K				internal thread
					4			4-20 ma output
					1			1-5 v output
					0			0 to 10 v output
						C		M12 x 1 connector
							B	No damper, no heat sink
							Z	Damper (optional)
							S	Heat sink (optional)

* The selection table is only available for parameter selection, and the corresponding code is delivered.