#### Introduction:

M1 Series are pressure sensors based on microfused technology which employs micromachined silicon piezoresistive strain gages fused with high temperature glass to a stainless steel diaphragm.

The sensor body is machined from a solid piece of 17-4PH stainless steel, All welded structure without 0-ring allowing a leak-proof.

All the key processes were operated in our 10,000 class cleaning room.

Each sensor was strictly temperature compensated for both zero and span. Various pressure ports are available; For maximum meeting customer's needs, Special design will be provided if required.

#### Features:

- Standard output 0-100mV
- > Welded structure without 0-ring
- ➤ Medium / High pressure (0-3.5Mpa···100Mpa)
- > 5X burst pressure
- > Compatible with corrosive media

#### Applications:

- Process control
- > Pressure transmitters



**Specifications:** Excitation: 5VDC, (25°C)

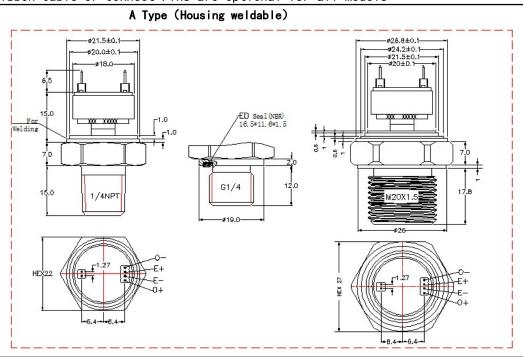
≦50Mpa: 40Nm; >50Mpa:70Nm				
80Nm				
0-3. 5Mpa···100Mpa				
2X or 130Mpa whichever is less				
5X or 130Mpa whichever is less				
Liquids and Gases compatible with 17-4PH and 304 Stainless Steel				
80Nm 0-3.5Mpa…100Mpa 2X or 130Mpa whichever is less 5X or 130Mpa whichever is less				

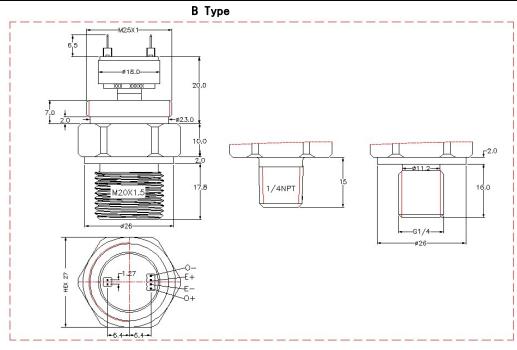
## ※注:

- 1. Best fit straight line.
- 2. Maximum temperature range for product with standard cable is  $-20\,^{\circ}$  C to  $+105\,^{\circ}$  C.
- 3. Over the compensated temperature range with respect to 25  $^{\circ}$  C.
- 4. Between case and sensing element.

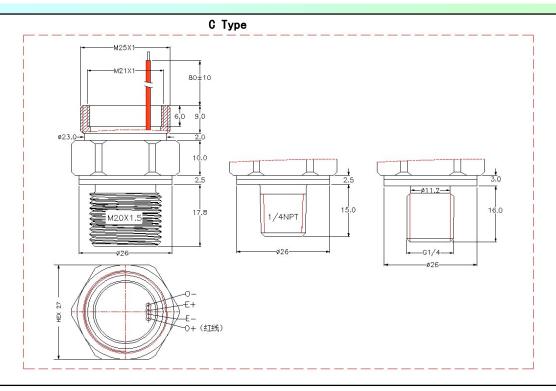
## Dimensions (mm):

## Remark: Ribbon Cable or Connect Pins are optional for all models





# Microfused Pressure Sensor

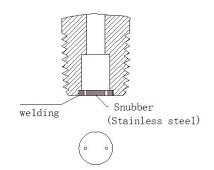


### Snubber is optional

Standard

With Snubber (Code: S)







# M1 Series (0-100 mV)

dering Int	formation						
Model		Description					
M1	Microfused pressrue sensor						
	Code	Pressure Range					
	3. 5M	3. 5Mpa					
	7M	7Mpa					
	10M	10Mpa					
	20M	20Mpa					
	35M	35Mpa					
	50M	50Mpa					
	70M	70Mpa					
	100M	100Mpa					
	XX	Special					
		Code	Housing mate options				
		Α	A type				
		В	B type				
		С	C type				
		Χ	Special				
			Code	Thread of pressrue port			
			1	1/4-18NPT			
			2		G1/4		
			3		M20X1.5		
			Χ		Special		
				Code		trical Connection	
				1		Connect Pins	
				2	Ribbon C	Cable(90mm as default)	
				X		Special	
					Code	Snubber	
					S	With snubber	
xample:							
M1	35M	С	2	1	S		
	0-35 <b>M</b> pa	C type	G1/4	Pins	with snubber	Model: M1-35M-C2-1S	