

Description

UPB3-c corrosion proof pressure transmitter adopts same ceramic pressure sensor and amplifier as our standard UPB3 model. The pressure diaphragm of UPB3-c is made from ceramic material (96%AL2O3), while its wetted parts are made from Polyvinylidene Fluoride (PVDF), which makes the transmitter has a higher degree of chemical corrosion resistance.

The compensated temperature range of UPB3-c is 0~70°C. UPB3-c is designed for measuring corrosive pressure medium in most industrial application, including hydraulics and pneumatics, refrigeration & air conditioning, as well as process control systems.

Features

- Application for corrosive media which is not compatible with stainless steel material.
- Polyvinylidene Fluoride (PVDF) as wetted part material
- Ceramic diaphragm(96%Al2O3)
- Measuring range from 0~1bar to 0~200bar
- Standard accuracy 0.5%FS

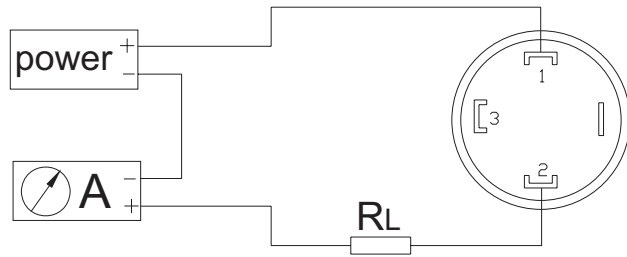


Specifications

pressure medium	gas or liquid compatible with ceramic and PVDF material
pressure ranges	0~1bar...200bar
overload pressure	150%FS
output signal	4~20mA, 0~5V, 0~10V, 1~5V
accuracy	0.5%FS(standard)
load resistance	$R_L = (U - 12V) / 0.02A$ (4~20mA current output) U—loop voltage (V)
long-term stability	<0.2%FS/year
supply voltage	12~36VDC
compensated temperature range	0~70°C
operating temperature range	-30~95°C
storage temperature range	-40~100°C
temperature coefficient of zero	0.3%FS/10°C
temperature coefficient of span	0.3%FS/10°C
insulation resistance	100MΩ@50VDC
process connection	G1/4 or others
electrical connection	hirschmann connector or others
material of wetted part	Polyvinylidene Fluoride (PVDF)
material of pressure membrane	ceramic(96%AL2O3)
material of housing	1Cr18Ni9Ti

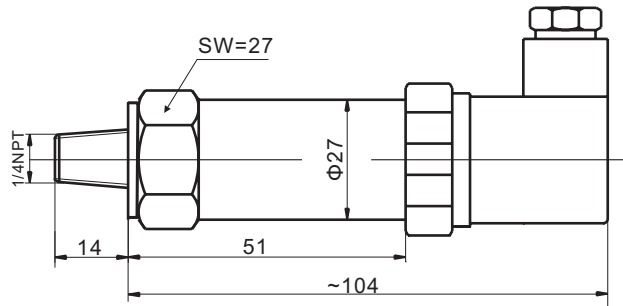
Electrical connection

connection	cable color(pin)
power“+”	red(1)
signal“+”	black(2)



wiring drawing of two-wire 4~20mA output (hirschmann)

Dimensions



note: this product can be made according to customer's required dimensions.

Ordering code

UPB3-C					
UPB3-C	range (0~X)bar	measuring range: 0~1bar...200bar			
		X: required measuring range			
		code	output		
		O1	4~20mA		
		O2	0~5V		
		O3	1~5V		
	O4	0~10V			
			code	process connection	
			P2	G1/2	
			P6	1/2NPT	
P4			M20×1.5		
Pz			customer request		
			code	electrical connection	
			E1	hirschmann connector	
			E2	aviation connector	
			E3	3m shielded PVC cable	
Ez	customer request				
UPB3-C	(0~200)bar	O1	P3	E1	