

Description

UTOP UPB133S pressure transmitter uses a 316 stainless steel pressure sensor with corrugated diaphragm isolation as the pressure sensitive element. The pressure sensor element adopts the internationally advanced high-stability, high-precision diffused silicon pressure chips, and applies new production processes and high-precision production inspection to make the product extremely stable. It performs temperature compensation and non-linearity correction through dedicated integrated circuits, direct output of standard 4/20mA signal, convenient for working ing with various pressure measurement systems.

This product is widely used for pressure measurement and control of petroleum, chemical-industry, metallurgy, power station and hydrology, etc.



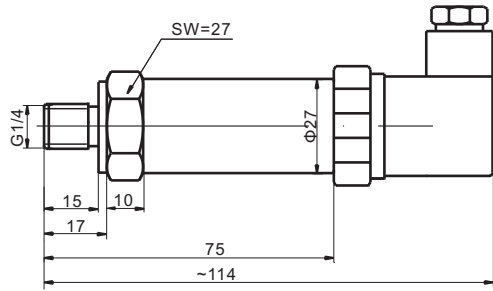
Features

- High cost-effective
- Full digital circuit, good performance
- Good stability
- temperature compensation and non-linearity correction through dedicated digital circuits,

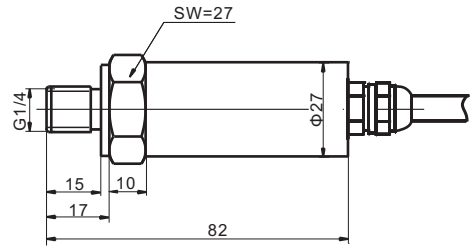
Specifications

pressure medium	gas or liquid compatible with 304 stainless steel
pressure ranges	0~0.4...600bar
overload pressure	150%FS
output signal	4~20mA
accuracy	0.25%FS(standard),0.5%FS(for 0.4bar)
load resistance	$R_L=(U-8V)/0.02A$ (4~20mA current output) U—loop voltage (V)
long-term stability	<0.25%FS/year
supply voltage	8~30VDC (24VDC standard)
compensated temperature range	-10~70℃(0.4bar for 0~60℃)
operating temperature range	-30~+100℃
measured media temperature range	-40~+100℃
temperature coefficient of zero	0.2%FS/10℃
temperature coefficient of span	0.2%FS/10℃
process connection	G1/4 or others
electrical connection	hirschmann connector or PG7 connector with 1m PVC cable
material of wetted part	304 stainless steel
material of pressure membrane	316 stainless steel
material of housing	304 stainless steel

Dimensions



Hirschmann Connector

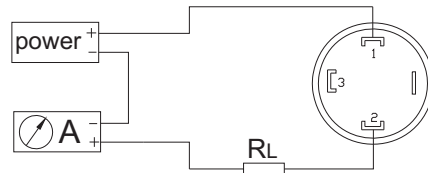


PG7 Connector

Electrical connection

Connection Cable color(pin)

Power“+” Red(1)
Signal“+” Yellow(2)



Wiring drawing of 2-wire 4~20mA output(hirschmann connector)

Ordering code

UPB133S				
	range	measuring range: 0bar~0.4...600bar		
	(0~X)bar	X: measuring range		
		code	pressure type	
		G	gauge	
		S	sealed gauge	
			code	electrical & process connection
			E1	hirschmann(DIN) connector
			E2	Pg7 connector with 1m PVC cable
			P1	G1/4
			P2	G1/2
			P3	1/4NPT
			P4	M20×1.5
			Pz	customer request
			D1	4 digit LCD digital indicator(optional)
			D2	4 digit LED digital indicator(optional)
UPB133S	(0~10)bar	G	E1P1	