

Description

UIB5 intelligent pressure transmitter adopts high quality pressure sensor chip, and stores the correction parameters like sensor's ambient temperature, pressure and input/output characteristics through the built-in memory E2PROM, then operated by CPU microprocessor, automatic temperature compensation, signal amplification, V/I conversion and A/D conversion, and output 4~20mA standard signal, and also can be made with Hart communication simultaneously. During communication, the frequency signal will not have any disturbance to the 4~20mA signal.

UIB5 is featured with good temperature, pressure and output characteristics. It can replace the general pressure transmitter completely and is widely used for automatic measurement & control in petroleum industry, chemical industry, electric power, environmental protection s



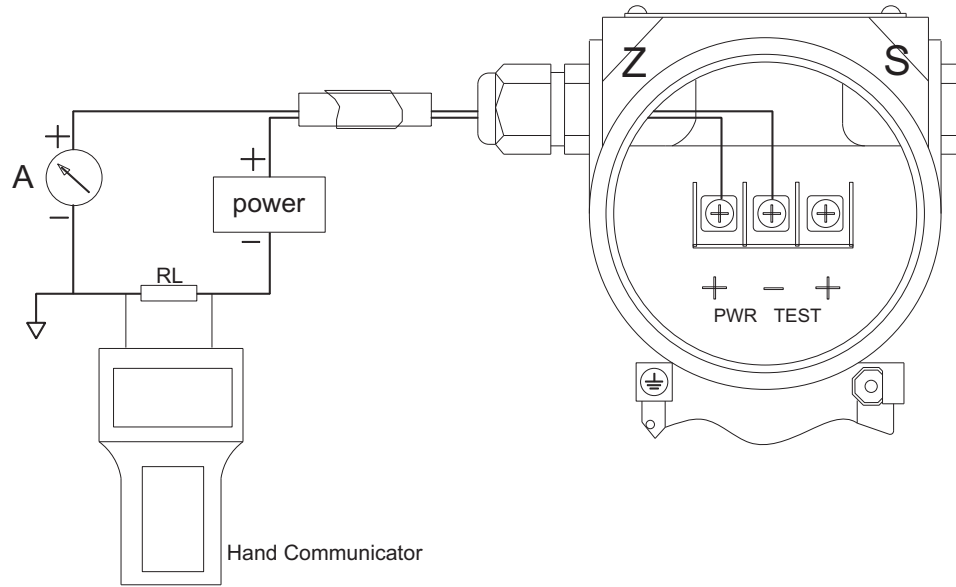
Features

- Pressure range: -1...0~0.1...1000bar
- 2-wire 4~20mA output with HART, compatible with ROSEMOUNT Product.
- The indicator can be rotated for easy reading
- High accuracy and good stability
- Explosion: intrinsic safety or flame proof

Specifications

pressure ranges	-1...0~0.1...1000bar
overload pressure	150%FS
pressure type	gauge, absolute, sealed gauge,differential
output signal	4~20mA with Hart communication protocol
accuracy	0.1%FS,0.2%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	-10~70°C
operating temperature range	-40~+85°C;(-40~+120°C option)
temperature coefficient of zero	0.2%FS/10°C
temperature coefficient of span	0.2%FS/10°C
process connection	G1/2 or others
electrical connection	M20x1.5
material of wetted part	316SS
material of diaphragm	316L SS

Electrical connection



smart 4~20mA output with HART protocol

Ordering code

UIB5					
	range	measuring range: -1... 0~0.1...1000bar			
	(0~X)bar	X: required measuring range			
		code	pressure type		
		G	gauge pressure		
		A	absolute pressure		
		S	sealed gauge pressure		
		D	differential pressure		
			code	accuracy	
			B	0.1%FS	
			C	0.2%FS	
			code	process connection	
			P2	G1/2	
			P4	M20x1.5	
			P5	1/2NPT	
			Pz	customer request	
UIB5	(0~1)bar	G	C	P2	