



UIB3 Intelligent Pressure Transmitter with HART

Description

UIB3 high precision monocrystalline silicon pressure transmitter adopts the high stability chip imported from Germany, with high precision degree and high stability. With preset signal processing module and temp. compensation for static pressure, making the accuracy be 0.075%, and also reduce production debugging and reduce costs too

UIB3 is widely used in pressure instrument manufacturing, heating energy saving, industrial fluid automation, aerospace, mechanical manufacturing and medical equipment and other measurement fields.



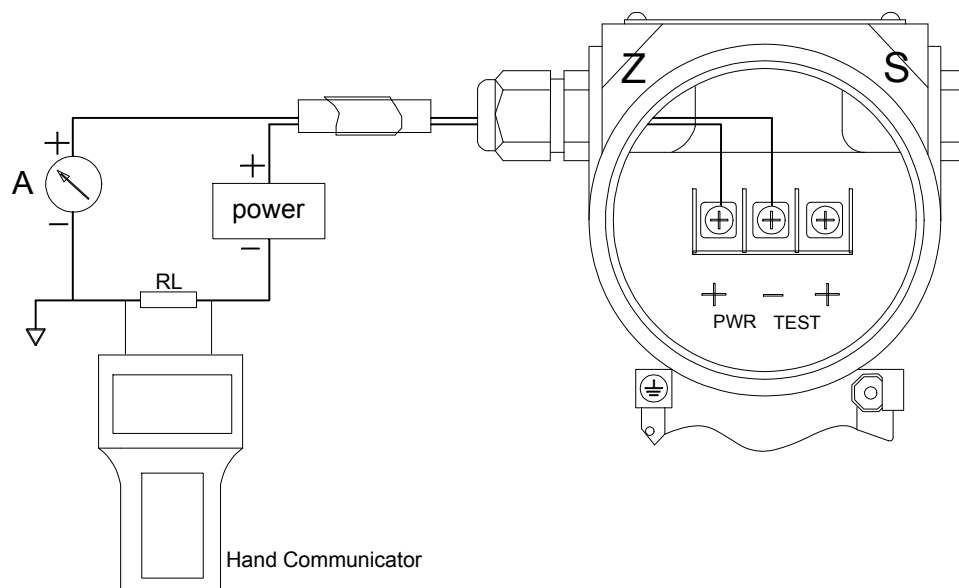
Features

- high accuracy 0.075%FS, good stability
- 2-wire 4~20mA output with HART, compatible with ROSEMOUNT Product.
- intelligent temp. compensation
- negative pressure and positive pressure measurement
- 316L full welded structure
- good overload pressure ability, intelligent static pressure compensation

Specifications

pressure ranges	6kPa, 40kPa, 250kPa, 1MPa, 3MPa, 10MPa
overload pressure	150%FS
pressure type	gauge, absolute
output signal	4~20mA with Hart communication protocol
accuracy	0.075%FS
insulation resistance	500MΩ/500VDC
long-term stability	<0.03%FS/year
supply voltage	12~32VDC
operating temperature range	-40~+85℃
storage temperature range	-50~+125℃
position effect	Horizontal and vertical positions are approximately 200Pa
overload presure effect	<0.05%FS/V
repeatability	<±0.05%FS
hysteresis	<±0.05%FS
material of diaphragm	316L
process connection	M20x1.5 M

Electrical connection



smart 4~20mA output with HART protocol

Ordering code

UIB3						
		range	measuring range: 6kPa, 40kPa, 250kPa, 1MPa, 3MPa, 10MPa			
		(0~X)bar	X: required measuring range			
		code	pressure type			
		G	gauge pressure(6kPa-10MPa)			
		A	absolute pressure(40kPa-3MPa)			
		G: -6kPa~6kPa, -40kPa~+40kPa, -100kPa~+250kPa, -100kPa~+1MPa, -100kPa~3MPa, -100kPa~10MPa, overload pressure 16MPa A: 0~40kPa, 0~250kPa, 0~1MPa, 0~3MPa, overload pressure 16MPa				
		code	oil-filled			
		S	silicone oil			
		F	fluorocarbon oil			
		O	vegetable oil			
		code	process connection			
		P2	G1/2 M			
		P4	M20x1.5 M			
		P5	1/2NPT M			
		Pz	1/2NPT F			
UIB3	(0~1)bar	G	S	P2		