UIB6 Digital Pressure Transmitter

Description

UIB6 digital pressure transmitter is an intelligent digital transmitter with high measuring accuracy and good long term stability. Its performance is reliable.

This product is made of special wide-temperature LCD display and high stable sensor, and using precise digitization temperature compensation and non-linearity revision technology to guarantee its measuring accuracy & stability. RS485 main line facilitates network pressure measurement system easily.

UIB6 digital pressure transmitter is suitable for pressure measurement and control in water and electricity, chemical industry, urban water supply, scientific research etc.
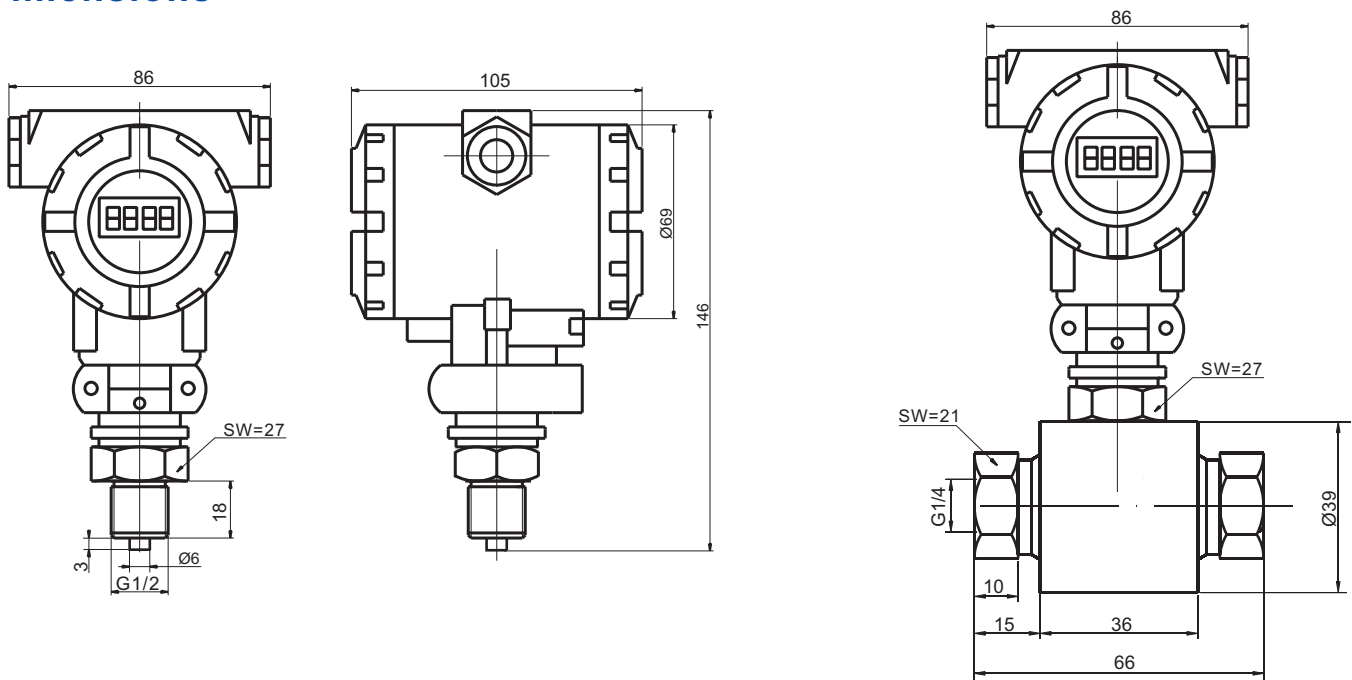

Features

- Have 4~20mA output andRS485 communication function simultaneously
- MODBUS RTU protocol（RS485 interface）
- 10 selectable engineering units : kPa, Mpa, ℃, Pa, bar, mbar, mmHg, kgf/cm2, mH2O, psi, m
- Digital temperature compensation, digital communication technology
- Against thunder stroke technology, zero self-steady technology
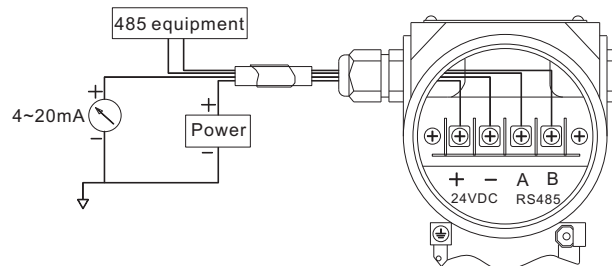
Specifications

pressure medium	gas or liquid compatible to stainless steel
pressure ranges	-1…0~0.1…1000bar
pressure type	gauge(G), absolute(A), sealed gauge(S), differential (D)
overload pressure	150%FS
output signal	4~20mA
communication	MODBUS protocol（RS485 interface）

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accuracy	0.1%FS,0.25%FS(standard), 0.5%FS
display	dynamic 5 digit LCD(range: -32767~32767)
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℃
operating temperature range	-40~+85℃
storage temperature range	-40~+120℃
display unit	kPa, MPa,℃, Pa, bar, mbar, mmHg, kgf/cm2, mH2O, psi, m
insulation resistance	100MΩ@50VDC
process connection	G1/2 or others
electrical connection	M20×1.5(female)
material of housing	cast aluminum
material of wetted part	1Cr18Ni9Ti
explosive-proof	ExiaIIBT4,ExdIIBT4

Dimensions

Electrical connection

Electrical connection for RS485 interface

Ordering code

UIB6						
	range	measuring range: -1...0~0.1bar...1000bar				
	(X1~X2)bar	X1: lower limit of actual measuring range, X2: higher limit of actual measuring range				
		code	pressure type			
		G	gauge			
		A	absolute			
		S	sealed gauge			
		D	differential			
			code	accuracy		
			B	0.1%FS		
			C	0.25%FS		
			D	0.5%FS		
				code	Communication	
				R	MODBUS protocol with 4~20mA	
				Z	MODBUS protocol without 4~20mA	
				M	Self-defined protocol	
					code	process connection
					P2	G1/2
					P4	M20×1.5
					P5	1/2NPT
					Pz	customer request
UIB6	(0~20)bar	G	B	R	P2	