Model JYB-KY

Depth/Level Pressure Transmitter with Stainless Steel

DESCRIPTION

Model JYB-KY Depth/Level Pressure Transmitter with stainless steel pipe are specifically designed for depth/level measurements in groundwater, well water, canals, rivers and other similar applications where the possibility exists for lightning damage. These devices have the same high performance and excellent reliability with the additional benefit of internal lightning protection.

FEATURES

- Soft stainless steel pipe from 0- 0.5m to 9m depth
- stainless steel pipe with flange from 0- 0.5m to 2m depth
- ±0.2% FS or ±0.5% accuracy
- 2-wire, 4-20mA
- Fully welded titanium with 2 year corrosion warranty
- Excellent stability, high integrity and reliability
- CE Certification

PRESSURE MEASUREMENT

Supply Voltage	12 to 30VDC
Operating Range	Any zero based full scale from 0.5m to 10m
Over Pressure	Two times for the full scale
Output Signal	Current two-wire 4mA to 20mA (Load < 500Ω)
Pressure Media	Fluids compatible with 316 stainless steel and copper pipe

PERFORMANCE SPECIFICATIONS

Accuracy	±0.2%, ±0.5% (25℃)
Response	<100ms
Long Term Stability	<0.1% FS per year
Temperature Range	-20 to 60℃
Temperature Effects	Max 1.0% FS typical over 0 to 60℃ Max 1.5% FS typical over -20 to 85℃

PHYSICAL CONNECTION

Pressure Connection	Water or similar water liquid
Electrical Connection	Connect Terminal

ORDERING CODES

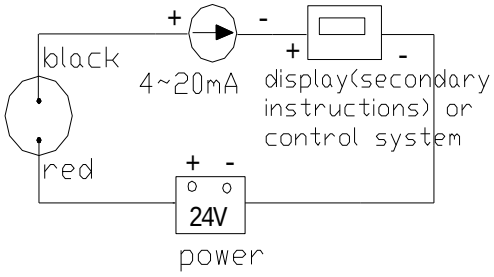
JYB-KY	JYB-KBY is a safety model for Exib II BT4								
	I1	Current two-wire 4 ma to 20 ma							
	V1	Voltage 0 to 5VDC							
		M2	Cast iron shell without display						
		M3	Cast iron shell with finger display						
		M4	Cast iron shell with LED display						
		M5	Cast iron shell with LCD display						
			N1	Soft stainless steel pipe					
			N2	Stainless steel with flange					
				S1	0-0.5m				
				S2	0-1.0m				
				S3	0-2.0m				
				S4	0-5.0m (only N1)				
				S5	0-9.0m (only N1)				
						B1	Gauge		
						B2	Absolute		
								A1	±0.2%
								A2	±0.5%

Http://www.collihigh.net Email: collihigh@sensor.com.cn Fax: +8610-62535255 Collihigh Sensor Technology Co,Ltd.

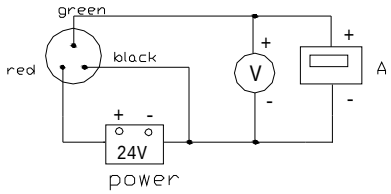
ELECTRICAL CONNECTION

Code	1(Red)	2(Green)	3(Blue)	4(Black)
I1	+supply	NC	Shell	-supply
V1	+supply	Out	Shell	GND

• Current two-wire 4ma to 20mA



• Voltage three-wire 0v to 5v



NOTES

1• Because the sensor belongs to the precision component, in order to prevent damages of the product, don't disassemble voluntarily and touch a film slice, please.

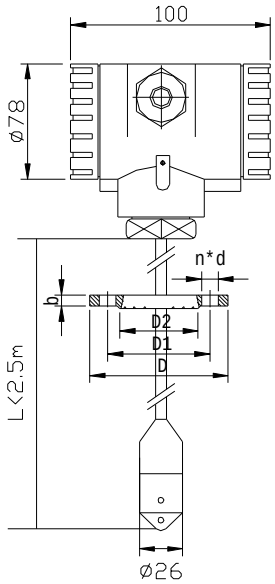
2• When make a survey of high-pressure, must install buffer equipment in the exit of the connection between the sensor and the medium, which can avoid the momentary pulse high-pressure and the damages of sensors.

3• Accuracies stated are expected for best fit straight line for all errors including linearity, hysteresis & non-repeatability thru zero.

4• When install the pressure transmitter, must use the spanner from the bottom of the nut to screw tightly, avoid directly turning on the upside.

MOUNTING DIMENSION

• Stainless steel flange(DN25)



DN25 description:

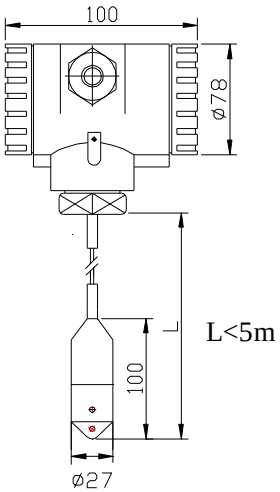
D=100mm, D1=75mm, D2=60mm.

d=12mm, n=4.

b=14mm, f=2mm.

If you need else dimensions，please explain specification.

• Soft stainless steel pipe



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