

# Model JYB-KT



## Depth/Level Pressure Transmitter with Copper Pipe

### DESCRIPTION

Model JYB-KT Depth/Level Pressure Transmitter with copper 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

- High performance and copper pipe
- $\pm 0.25\%$  FS or  $\pm 0.5\%$  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 100m
Over Pressure	Two times for the full scale
Output Signal	Current two-wire 4mA to 20mA ( Load < 500 $\Omega$ )
Pressure Media	Fluids compatible with 316 stainless steel and copper pipe

### PERFORMANCE SPECIFICATIONS

Accuracy	$\pm 0.25\%$ , $\pm 0.5\%$ (25 $^{\circ}$ C)
Response	<100ms
Long Term Stability	<0.1% FS per year
Temperature Range	-20 to 60 $^{\circ}$ C
Temperature Effects	Max 1.0% FS typical over 0 to 60 $^{\circ}$ C Max 1.5% FS typical over -20 to 85 $^{\circ}$ C

### PHYSICAL CONNECTION

Pressure Connection	Water or similar water liquid
Electrical Connection	Connect Terminal

### ORDERING CODES

JYB-KT	JYB-KBL 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
	N1	Soft copper pipe
	S1	0-0.5m
	S2	0-1.0m
	S3	0-2.0m
	S4	0-5.0m
	S5	0-10m
	B1	Gauge
	B2	Absolute
	A1	$\pm 0.25\%$
	A2	$\pm 0.5\%$

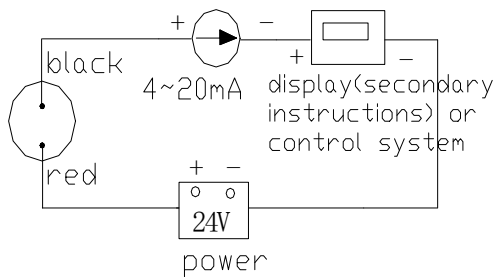
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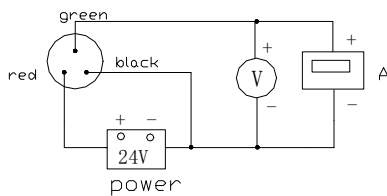
### ELECTRICAL CONNECTION

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

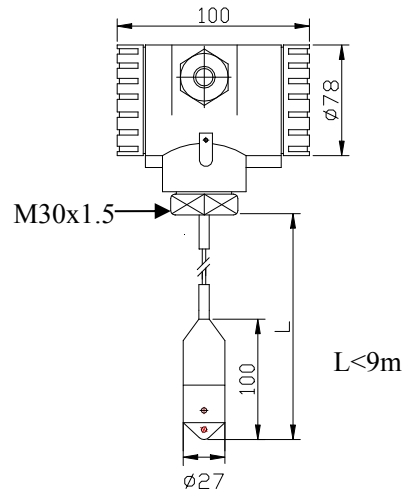


- Voltage three-wire 0v to 5v



### MOUNTING DIMENSION

- Cast iron shell



### 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.