

# Model JYB-KH

## Industrial Pressure Transmitter



### DESCRIPTION

Model JYB-K H is a cost efficient general purpose gage-only pressure transmitter. Each unit is constructed of stainless steel for durability in dry rugged environments. Both gas and liquid pressure overloads of up to 50% over capacity are safely accepted. The transmitter uses our proprietary current output with wide temperature compensation. This design references the primary pressure sensing diaphragm to the atmosphere, and provides a stable zero regardless of the transducer environment.

### FEATURES

- 0.0015 % FS/°F temperature effect
- 0.25 %, 0.5 % accuracy
- 2 psig to 5000 psig range
- True gage or absolute
- 4 to 20 mA output
- Isolated double wall construction
- Enhanced temperature stability,
- CE Certification

### PRESSURE MEASUREMENT

Supply Voltage	12 to 30VDC
Operating Range	Any zero based full scale from 100psi(5 bar) to 5000psi (350bar)
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 Hastelloy C276 (NACE compatible grades)

### PERFORMANCE SPECIFICATIONS

Accuracy	±0.25%, ±0.5% (25°C)
Response	<100ms
Long Term Stability	<0.1% FS per year
Temperature Range	-20 to 85°C
Temperature Effects	Max 1.0% FS typical over 0 to 60°C Max 1.5% FS typical over -20 to 85°C

### PHYSICAL CONNECTION

Pressure Connection	G1/4 female with Option B screw-in adaptor
Electrical Connection	M12×1.5 Bayonet plug (IP67) DIN43650 Plug/Socket (IP65)

### ORDERING CODES

JYB-KH	JYB-K BH is a safety model for Exib II BT4		
	I1	Current two-wire 4 ma to 20 ma	
	V1	Voltage 0 to 5VDC	
		M2	DIN43650 Plug/Socket (IP65)
		N1	M20x1.5 male screw-in adaptor
		N2	G1/4 male with Option B screw-in adaptor
		S1	0-2psi
		S2	0-5psi
		S3	0-10psi
		S4	0-20psi
		S5	0-50psi
		S6	0-100psi
		S7	0-200psi
		S8	0-500psi
		S9	0-1000psi
		S10	0-2000psi
		S11	0-5000psi
		B1	Gauge
		B2	Absolute
		A1	±0.25%
		A2	±0.5%

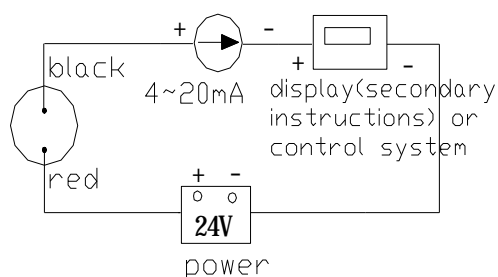
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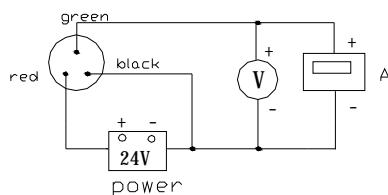
### ELECTRICAL CONNECTION

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

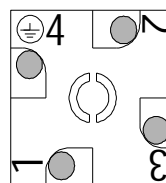
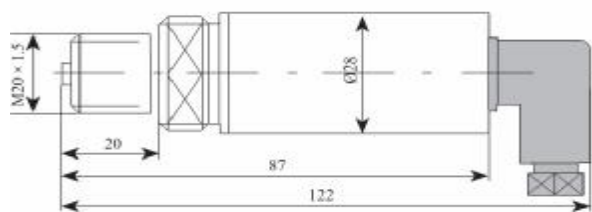


- Voltage three-wire 0v to 5v



### MOUNTING DIMENSION

- DIN43650 Plug/Socket (IP65)



### 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.