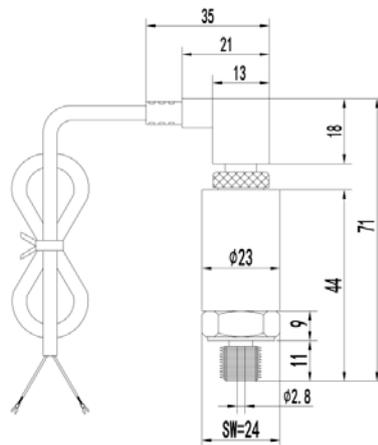


ARMATECA YZ-001
Pressure Transmitter

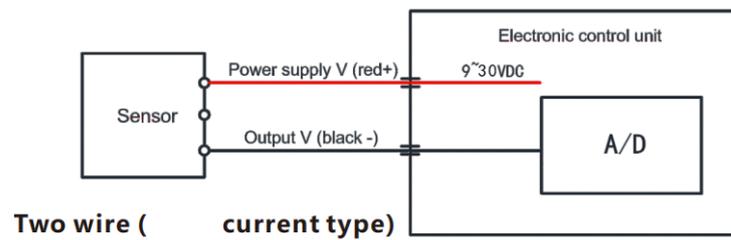
1. Physical product:



2. Structure size:

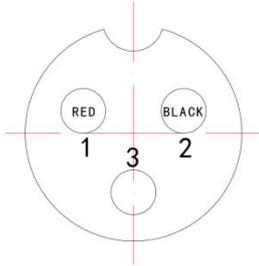


3. Electrical connection diagram:



4. Wiring diagram:

Current type:



5. Technical specifications:

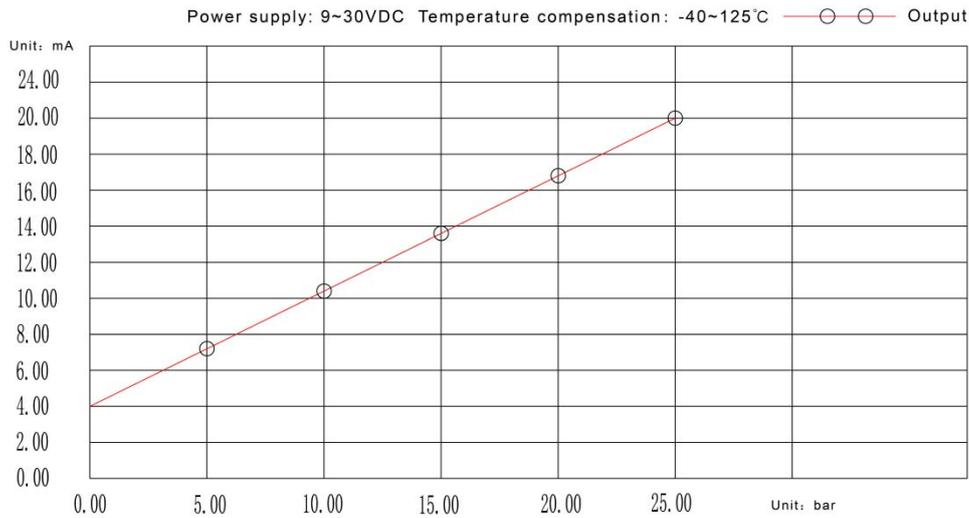
Measuring range	0~10bar、0~16bar
Output signal	I: current 4-20mA
Accuracy	±0.5%·FS (current)
Core body	Thickened ceramic core
Chip	Imported chips
Pressure mode	G: Gauge pressure A: Absolute pressure
Process Connection	G1/4、G3/8、customizable
Supply voltage	I: current 9-30VDC
Reverse phase protection	Own
Overload pressure	200% FS
Blasting pressure	300% FS
Material	304
Line length	Standard configuration: 2000mm (current), customizable
Line out	Injection molding straight type, two wire small needle type (current), customizable
Wire specifications	VVR2*0.17mm ² (current)
Protection level	IP65
Load	<600Ω
Temperature drift	±0.03%·FS/°C
Long term stability	±0.2%FS/year
Response time	<1ms

Temperature coefficient	±0.05%/K
Temperature compensation	-40~125℃
Working temperature	-40~85℃
Insulation resistance	>100Ω (500V)
Storage temperature	-40~100℃
Purpose	Equipped with buffer screws, liquid measurement

6. Selection criteria:

YZ	-	001	-	□	□	□	□	□	□	□
Pressure transmitter		Injection molding bending series		I:current 4-20mA	A:Absolute pressure G:Gauge pressure	Material A: 304 H: 316	Measuring range 10:0-10bar 16:0-16bar	Accuracy 0.5: 0.5%FS 1: 1%FS	Thread G1/4 G3/8	Wire length

7. Output characteristic curve:



8. Comparison Table of Pressure and Current Accuracy:

Output: 4~20mA, measurement range: 0~10Bar, accuracy comparison table											
Standard pressure value (Bar)	0	1	2	3	4	5	6	7	8	9	10
0.2%Tolerance (Bar)	(-0.02~0.02)	0.98~1.02	1.98~2.02	2.98~3.02	3.98~4.02	4.98~5.02	5.98~6.02	6.98~7.02	7.98~8.02	8.98~9.02	9.98~10.02
0.5%Tolerance (Bar)	(-0.05~0.05)	0.95~1.05	1.95~2.05	2.95~3.05	3.95~4.05	4.95~5.05	5.95~6.05	6.95~7.05	7.95~8.05	8.95~9.05	9.95~10.05
1.0%Tolerance (Bar)	(-0.10~0.10)	0.90~1.10	1.90~2.10	2.90~3.10	3.90~4.10	4.90~5.10	5.90~6.10	6.90~7.10	7.90~8.10	8.90~9.10	9.90~10.10
Standard current value (mA)	4.0	5.6	7.2	8.8	10.4	12.0	13.6	15.2	16.8	18.4	20.0
0.2%Tolerance (mA)	3.968~4.032	5.568~5.632	7.168~7.232	8.768~8.832	10.368~10.432	11.968~12.032	13.568~16.632	15.168~15.232	16.768~16.832	18.368~18.432	19.968~20.032
0.5%Tolerance (mA)	3.920~4.080	5.520~5.680	7.120~7.280	8.720~8.880	10.320~10.480	11.920~12.080	13.520~13.680	15.120~15.280	16.720~16.880	18.320~18.480	19.920~20.080
1.0%Tolerance (mA)	3.840~4.160	5.440~5.760	7.040~7.360	8.640~8.960	10.240~10.560	11.840~12.160	13.440~13.760	15.040~15.360	16.640~16.960	18.240~18.560	19.840~20.160
Conversion formula for pressure value and current value: Corresponding pressure value * (maximum current value - minimum current value / maximum pressure value - minimum pressure value) + 4 (initial current value) Example: Output: 4~20mA, measurement range: 0~10Bar, now need to convert 2Bar Corresponding current value: 2 * (20-4/10-0) + 4 = 7.2mA											

Output: 4~20mA, measurement range: 0~16Bar, accuracy comparison table											
Standard pressure value (Bar)	0	1	2	3	4	5	6	7	8	9	10
0.2%Tolerance (Bar)	(-0.02~0.02)	0.98~1.02	1.98~2.02	2.98~3.02	3.98~4.02	4.98~5.02	5.98~6.02	6.98~7.02	7.98~8.02	8.98~9.02	9.98~10.02
0.5%Tolerance (Bar)	(-0.05~0.05)	0.95~1.05	1.95~2.05	2.95~3.05	3.95~4.05	4.95~5.05	5.95~6.05	6.95~7.05	7.95~8.05	8.95~9.05	9.95~10.05
1.0%Tolerance (Bar)	(-0.10~0.10)	0.90~1.10	1.90~2.10	2.90~3.10	3.90~4.10	4.90~5.10	5.90~6.10	6.90~7.10	7.90~8.10	8.90~9.10	9.90~10.10
Standard pressure value (Bar)	11	12	13	14	15	16					
0.2%Tolerance (Bar)	10.98~11.02	11.98~12.02	12.98~13.02	13.98~14.02	14.98~15.02	15.98~16.02					
0.5%Tolerance (Bar)	10.95~11.05	11.95~12.05	12.95~13.05	13.95~14.05	14.95~15.05	15.95~16.05					
1.0%Tolerance (Bar)	10.90~11.10	11.90~12.10	12.90~13.10	13.90~14.10	14.90~15.10	15.90~16.10					
Standard current value (mA)	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0
0.2%Tolerance (mA)	3.968~4.032	4.968~5.032	5.968~6.032	6.968~7.032	7.968~8.032	8.968~9.032	9.968~10.032	10.968~11.032	11.968~12.032	12.968~13.032	13.968~14.032
0.5%Tolerance (mA)	3.920~4.080	4.920~5.080	5.920~6.080	6.920~7.080	7.920~8.080	8.920~9.080	9.920~10.080	10.920~11.080	11.920~12.080	12.920~13.080	13.920~14.080
1.0%Tolerance (mA)	3.840~4.160	4.840~5.160	5.840~6.160	6.840~7.160	7.840~8.160	8.840~9.160	9.840~10.160	10.840~11.160	11.840~12.160	12.840~13.160	13.840~14.160
Standard current value (mA)	15.0	16.0	17.0	18.0	19.0	20.0					
0.2%Tolerance (mA)	14.968~15.032	15.968~16.032	16.968~17.032	17.968~18.032	18.968~19.032	19.968~20.032					
0.5%Tolerance (mA)	14.920~15.080	15.920~16.080	16.920~17.080	17.920~18.080	18.920~19.080	19.920~20.080					
1.0%Tolerance (mA)	14.840~15.160	15.840~16.160	16.840~17.160	17.840~18.160	18.840~19.160	19.840~20.160					
Conversion formula for pressure value and current value: Corresponding pressure value * (maximum current value - minimum current value / maximum pressure value - minimum pressure value) + 4 (initial current value) Example: Output: 4~20mA, measurement range: 0~16Bar, now need to convert 2Bar Corresponding current value: 2 * (20-4/16-0) + 4 = 6.0mA											

9. Sensor storage standards:

1	Storage warranty period	Starting from the product labeling date, 12 months
2	Storage cycle maintenance requirements	It must be stored in a dry environment. Prevent the internal circuit board from getting damp.
3	Storage conditions	1. Store in its original packaging. 2. No corrosive gas. 3. It is not allowed to place the product for a long time in damp, high temperature or outdoor exposed areas. 4. The storage temperature is within the range of -20 °C~50 °C and the relative humidity is within the range of 20%~70%.