



FEATURES:

- RS485 communication interface, Standard MODBUS-RTU Protocol Output
- Netting available
- Short protection and reverse polarity protection
- Full stainless steel construction, compact size, light weight
- Good output consistency and replaceability
- Available for calibration and parameter change on site through matched soft of upper computer

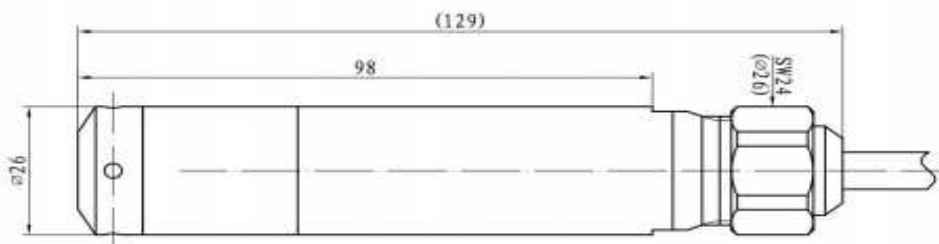
DESCRIPTION:

AL702 Intelligent Transmitter is highly integrated measurement product with high stability. It uses intelligent processing circuit, the most advanced design and manufacturer technology of piezoresistive pressure transmitter, and is available for pressure signal output that in accordance with standard MODBUS-RTU protocol. Featuring integrated design, standard digital output, great compatibility, small size, high accuracy required measurement of fluids. It also can take replace of level transmitters in the form of MODBUS protocol output by providing pressure type and level type measurement for users.

SPECIFICATION:

Range: 0m~3.5m...200mH2O	Power Supply: 9V~28V DC
Overpressure: 1.5 times FS	Output: RS485 Interface(MODBUS-RTU protocol)
Measurement Error: $\pm 2^{\circ}\text{C}$	Application Temp: $-10^{\circ}\text{C}\sim 60^{\circ}\text{C}$
Accuracy: $\pm 0.5\%\text{FS}$	Electric Connection:
Stability: $\pm 0.3\%\text{FS}/\text{year}$	Shock: 20g, 20Hz~2000Hz
Zero Thermal Drift: $\pm 0.04\%\text{FS}/^{\circ}\text{C}$ ($\leq 10\text{mH}_2\text{O}$); $\pm 0.03\%\text{FS}/^{\circ}\text{C}$ ($> 10\text{mH}_2\text{O}$)	Storage Temp.: $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$
Span Thermal Drift: $\pm 0.04\%\text{FS}/^{\circ}\text{C}$ ($\leq 10\text{mH}_2\text{O}$); $\pm 0.03\%\text{FS}/^{\circ}\text{C}$ ($> 10\text{mH}_2\text{O}$)	Impact: 20g, 11ms
Insulation: 100V, 100M	Protection: IP68
Electric Connection: Cable or Junction Box	Housing: S.S
Weight: ~250g	O-Ring: Viton
Diaphragm: S.S. 316L	

OUTLINE CONSTRUCTION:

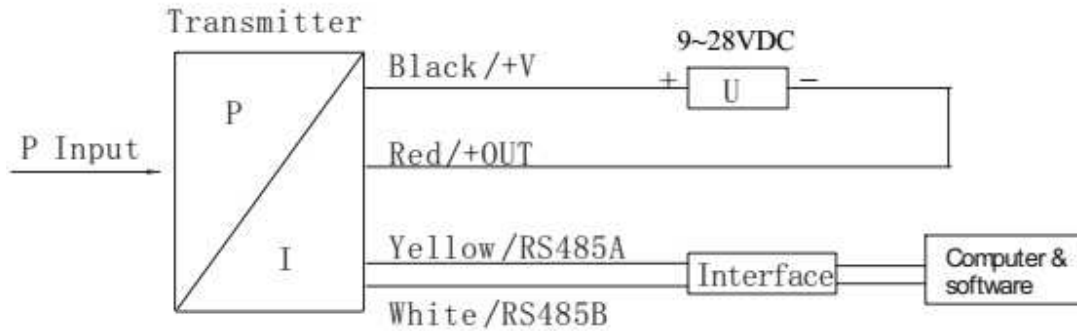


ELECTRIC CONNECTION:

Transmitter connecting the outside by plug or cable:

Function	Inner Plug Pin color	Outer Electric Connection
		Wire Color
+V	1 (Black)	Black
-V	2 (Red)	Red
RS485B	4 (White)	White
RS485A	5 (Yellow)	Yellow

Electric connection for transmitter with RS485 interface (MODBUS Protocol)



ORDER GUIDE:

AL702	Intelligent Level Transmitter				
	Range	Measure Range 0m~3.5m...200m H ₂ O			
	[0m~XmH ₂ O]L	X=actual range, L= cable length, suggested L-X= (1~2) m			
	Code	Output Signal			
	R _s	RS485 Communication Interface, MODBUS protocol			
	Code	Construction Material			
		Diaphragm	Pressure Port	Housing	
	22	S.S.316L	S.S.	S.S.	
	Code	Others			
	Y _b	Aluminum connection box without display			
	Y _c	MS200 water-proof connection box (default)			
	Y _d	PD140 lightning-proof protection device			
	Y _e	Connection Box (without display)			
AL702	[0m~10mH ₂ O]12	R _s	22	Y _c	The Whole Spec.

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