



Recorder



Flow



Pressure



Temp



Analyzer



Level

Datasheet

Anti-Corrosion Hydrostatic Level Transmitter

SUP-P262-B

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Anti-Corrosion Hydrostatic Level Transmitter

SUP-P262-B

Anti-corrosive level transmitter is made of high-performance ceramic pressure sensor as the measuring element, which accurately measures the static pressure of liquid proportional to the depth of liquid level, and converts it into standard current, voltage or RS485 signal output through signal conditioning circuit to establish the linear correspondence between output signal and liquid level depth, and realise the measurement of liquid depth. The product is made of PTFE anti-corrosion material with excellent corrosion resistance, which is widely used in chemical plants for liquid level measurement of acidic, alkaline and other corrosive media.

Applications

- Wastewater
- Wet Wells
- Oil tanks
- Sumps
- Reservoirs
- Medical



Features

- High-performance ceramic pressure sensors
- Anti-corrosion type with good sealing
- Suitable for various occasions of industrial requirements
- Multi-protection structure design, high protection capability
- Simple and convenient installation

Hydrostatic Level Transmitter

Parameters	
Pressure type	Gauge pressure
Range	0~1m...200m H ₂ O
Accuracy	1%,0.5% (range≥5 meters)
Output and Power Supply Range	(4~20)mA output (10~32)V (0~10) V output (12~32) V RS485 output (8~32) V
Compensation Temperature	(0~70)°C
Medium Temperature	(-40~125)°C
Storage Temperature	(-40~85)°C
Temperature Drift	±3%FS
Overload Pressure	200%FS
Long-Term Stability	±0.5%FS/year
Response Time	Current, voltage output type pressure≤10ms (up to 90% FS); RS485 output type pressure≤100ms (up to 90% FS)
Insulation Resistance	20MΩ/250VDC
Ingress Protection	IP68
Load Resistance	(4~20) mA output: load resistance ≤ (U-10V)/0.02A, U is the supply voltage; Voltage output: load resistance ≥5kΩ

Installation

- Read wiring diagram carefully before installation.
- Turn off power and the valve of the tested medium during installing and disassembling, the pressure is reduced to atmosphere pressure to avoid accidents caused by medium ejection.
- Choose a place that is easy for operation and installation
- Make sure the transmitter is firmly connected and grounding properly during installing; avoid vibration, heat source and strong EMI environment. Need good grounding when outdoor installation, lightning protection measures should be taken to prevent lightning from damaging products.
- The metal probe on the bottom of the container during submersible level meter installation
- If the customer needs additional wires , must take waterproof measures (such as closed junction box, etc.).If it is not available or relatively simple, the wire can be bent downward and installed to prevent water inflow and avoid failure.
- The level probe is dropped into the water, preferably fixed and away from the inlet.
- To ensure the accuracy of measurement, the fluidity of the medium is needed.
- It prohibited insert hard objects into the pressure hole to prevent damage the sensor diaphragm.
- Please strictly follow the wiring method for the electrical connection, wrong wiring may cause damage to the amplifying circuit.
- Prevent the cable damages so that fluid could enter the damages and signal wire joint into transmitter cavity, which will damage the product.
- Do not use cable to lift heavy objects other than the product.
- Regular desilt the level probe to avoid blocking inlet.
- The conductor is a special waterproof cable; Wear, puncture and scratch should be avoided in the process of installation and use. If any of the above problems exist on site, protective measures should be taken for the conductor. If such problems cause faults, the manufacturer will charge for maintenance.
- Ensure right product selection and operation correctly to prevent serious personal injury and damage.

Wiring

■ Current Output Type:

Red	Blue
24V +	Current output +

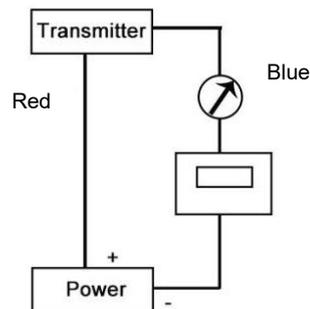
■ Voltage Output:

Red	Blue	Yellow
24V +	24V -	Voltage output +

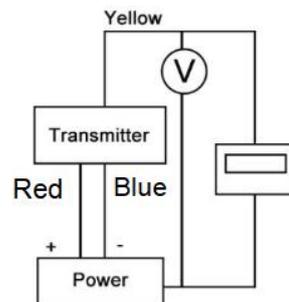
■ RS485 Output:

Red	Black	Blue	Yellow
24V +	24V -	485A	485B

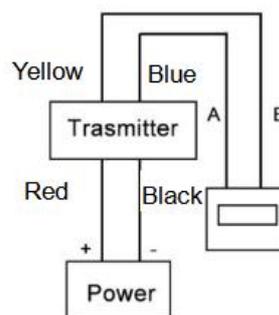
■ Current Output, 2-wire:



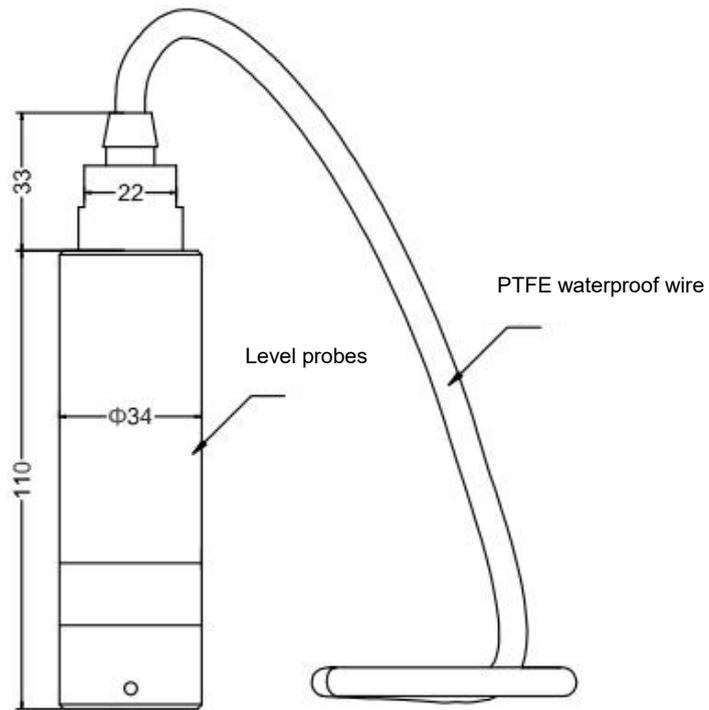
■ Voltage Output, 3-wire



■ RS485 Output



Dimension



Ordering code

SUP-P262-B-01-L-A1-WA-0-N6-02								Description
SUP-262-B	-	-	-	-	-	-	-	
Measurement Range	01							1m
	02							2m
	03							3m
	04							4m
	05							5m
	10							10m
	15							15m
	20							20m
	50							50m
	XX							Others
	Accuracy	L						
K								0.5%(≥5m)
Output and Power Supply		A1						2-Wire 4-20mA
		R2						RS485, 24VDC
		V2						0-10V, 24VDC
		V1						0-5V, 24VDC
		XX						Others
Electrical Interface, Housing Material and Ingress Protection			WA					Cable Connector, IP68
			WG					M20 x 1.5 Cable Gland, Aluminium Alloy, IP65 (Protective Type (2088 shell, G2 thread PTFE))
Display Type					0			None
					1			Only protective type is available.
Probe Material						N6		Polytetrafluoroethylene
Cable Length (Cable Length≥Measurement Range)							02	2m
							03	3m
							04	4m
							05	5m
							10	10m
							15	15m
							20	20m
							50	50m
							XX	Others