

Description

ULB9 series liquid level transmitter is an submersible type liquid level transmitter. By using the diffused silicon pressure sensor with stainless steel diaphragm as the sensitive element, the UPX6-a pressure sensor is welded directly to the housing using laser welding technology, avoiding the use of rubber sealing rings, ULB9 has a small size and have good ability of corrosion resistance.

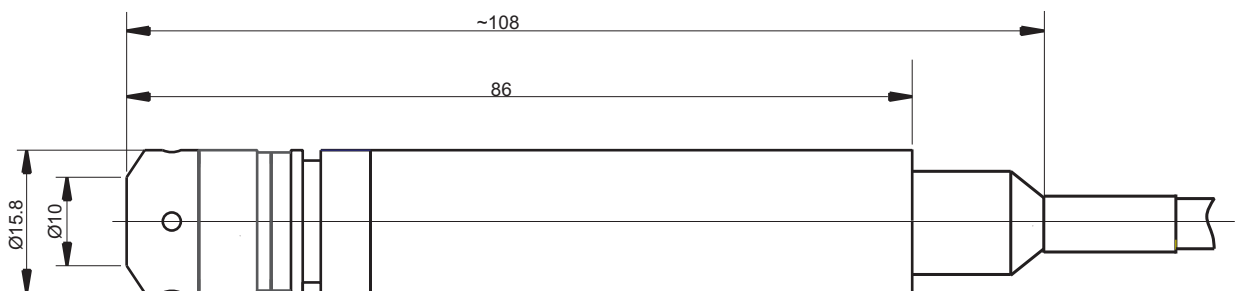
Because of its small size, reliable quality and stable performance, so it is widely accepted by customers. The level transmitter is also made with high quality polyurethane cable with vented tube inside, it is widely used in liquid level measurement in many areas.



Features

- All welded construction, IP68 protection.
- Diameter 15.8mm, easy installation and operation
- Reversed polarity protection and current limiting protection.
- Multiple protection structure design, high protection ability
- PUR, NBR, PE or PTFE cable for options.

Dimensions





ULB9 Small Size Level Transmitter

Specifications

measuring ranges	0~2mH ₂ O...200mH ₂ O
overload pressure	200%FS
output signal	4~20mA, 0~5V, 0~10V, 1~5V
accuracy	0.1%FS, 0.25%FS, 0.5%FS
load resistance	$R_L = (U - 9V) / 0.02A$ (4~20mA current output) U—loop voltage (V)
long-term stability	<0.2%FS/year
supply voltage	9~32VDC
compensated temperature range	-10~70°C (0~60°C for range ≤ 4mH ₂ O.)
storage temperature range	-40~100°C
temperature coefficient of zero	0.2%FS/10°C
temperature coefficient of span	0.2%FS/10°C
insulation resistance	100MΩ@50VDC
electrical connection	Φ7.2mm PUR shielded cable with vent hose
material of wetted part and housing	316 S.S.
material of pressure membrane	316L
sealing	welded

Ordering code

ULB9				
		range (0~XmH ₂ O)L	measuring range: 0~2mH ₂ O...200mH ₂ O	
			X: actual measuring range L: cable length, suggested L-X=(1~2)m	
			code	output
			O1	4~20mA
			O3	0~5V
			O4	1~5V
			O5	0~10V
			Oz	customer request
			code	accuracy
			B	0.1%FS
			C	0.25%FS (standard)
			D	0.5%FS
ULB9	(0~20mH ₂ O)21	O1	C	