

Description

ULB6 series submersible liquid level transmitter is made from stainless steel with rigid and robust construction. The protection cap with a small hole not only protect the diaphragm, but also let the liquids contact the diaphragm freely. The exquisite sealing technology as well as good assembly techniques guarantee ULB6 level transmitter's outstanding quality & performance. The product has a waterproof cable with vent hose which is designed for submersible applications. The standard diameter of ULB6 is 27mm, but we can make it to be 19mm for the option.

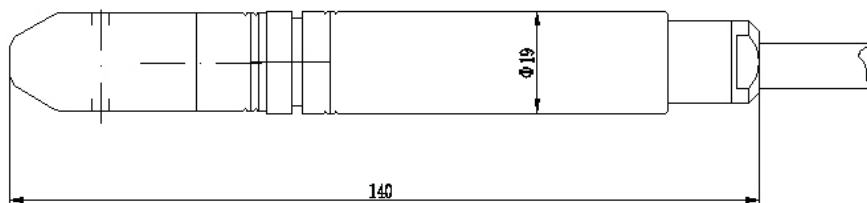
ULB6 series is designed with IP68 protection, it is widely applied in petroleum, chemical industry, medicine, metallurgy, hydrology exploration etc.



Features

- All welded construction, 19mm diameter, IP68 protection.
- Wide application scope, long service life.
- Reversed polarity protection and current limiting protection.
- Against thunder stroke, against radio-frequency interference.
- PUR, NBR, PE or PTFE cable for options.

Dimension



ULB6-a integrated type(19mm diameter type)

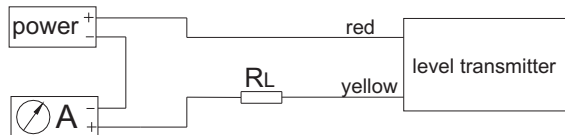
Specifications

measuring ranges	0~1mH 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	$R_L = (U - 12V) / 0.02A$ (4~20mA current output) U—loop voltage (V)
long-term stability	<0.1%FS/year
supply voltage	12~36VDC
compensated temperature range	-10~70°C
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 shielded cable with vent hose
material of wetted part and housing	1Cr18Ni9Ti
material of pressure membrane	316L or tantalum
sealing	nitrile-butadiene rubber(standard) or fluoro-rubber sealing ring

Electrical connection

Connection Cable color(pin)

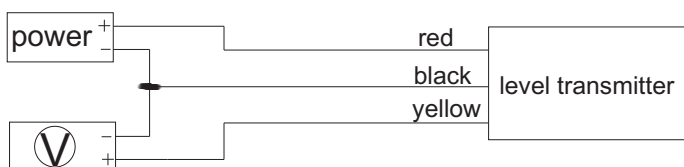
Power“+” Red
Signal“+” Yellow



Wiring drawing of 2-wire 4~20mA output

Connection Cable color(pin)

Power“+” Red
Signal“+” Yellow
GND Black



Wiring drawing of 3-wire 0~10V(0~5V, 1~10V, 0.5~4.5V) voltage output



ULB6-a/b Submersible Level Transmitter

Ordering code

ULB6-a						
ULB6-b						
	range	measuring range: 0~1mH ₂ O...200mH ₂ O				
	(0~XmH ₂ O)L	X: actual measuring range L: cable length, suggested L-X=(1~2)m				
		code	output			
		O1	4~20mA			
		O2	0~20mA			
		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		
				code	cable	
				C1	PUR (polyurethane) standard	
				C2	NBR (nitrile-butadiene rubber)	
				C3	PE (polyethylene)	
				C4	PTFE (Polytetrafluoroethylene)	
					code	display(ULB6-b 4~20mA output)
					D0	no display
					D1	4-digit LED display
					D2	5-digit LCD display
ULB6-a	(0~20mH ₂ O)21	O1	C	C1	N	