

## Description

ULB-2T submersible level & temperature integration transmitter is composed by high accuracy & stability pressure sensor, temperature sensor and special-propose circuit, the level and temperature of measured medium will be transformed to standard 4~20mA electrical output signals. ULB-2T has an integrated design, can measure level and temperature of one point simultaneously, is suitable for used in place where need both level measurement and temperature measurement.

The unique craft seal structure of ULB-2T makes it have good performance of preventing leak, even this product is be immersed into liquid for a long time, it still has good operation reliability. ULB-2T is featured with high accuracy, good stability, long service life as well as easy installation etc.

ULB-2T is widely used in many areas like scientific research, war industry, petrochemical industry, electric power, water conservation, and oil fields for pressure & temperature measurement and control.



## Features

- Level & temperature measurement simultaneously.
- Two channel 4~20mA output signals or two channel voltage signals.
- Good ability of anti-jamming, good long term stability.

## Specifications

measured medium	liquid compatible to stainless steel
measured temperature ranges	-20~+100°C
measuring accuracy of temperature	0.5%FS
output signal of temperature	4~20mA(0~5V, 1~5V optional)
level measured ranges	0~1...200mH <sub>2</sub> O
measuring accuracy of level	0.25%FS(standard)
output signal of level	4~20mA (0~5V,1~5V optional)
compensated temperature range	-10~+70°C
operating temperature range	-30~+100°C
power supply	10~32VDC
long term stability	0.2%FS/year
circuit temperature shift	<±0.5%FS/50°C
electrical connection	Ø7.2mm shielded PVC cable with vent hose
material of housing	stainless steel
protection	IP68

## Electrical connection

### Connection

Power“+”

Level signal“+”

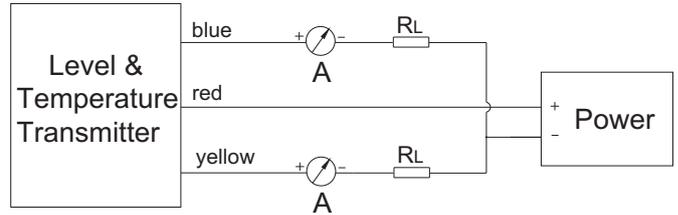
Temperature signal“+”

### Cable color

Red

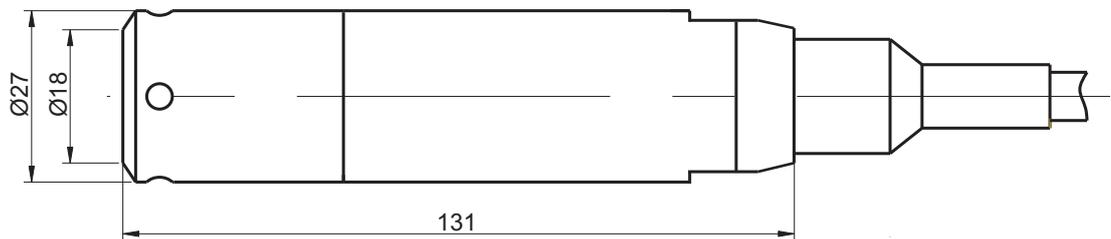
Yellow

blue



Wiring drawing of two channel 4~20mA output

## Dimensions



ULB-2T integrated type

## Ordering code

ULB-2T			
	range	measuring range: 0~1...200mH <sub>2</sub> O; -20~+100°C	
	(0~XmH <sub>2</sub> O)L	X: actual measuring range L: cable length, suggested L-X=(1~2)m	
	(X1~X2°C)	X1-lower limit of measured range, X2-higher limit of measured range	
	code	output signal of level and temperature	
	O1	4~20mA	
	O2	0~5V	
	O3	0~10V	
	O4	1~5V	
	O5	1~10V	
	O6	0.5~4.5V	
	Oz	customer request	
ULB-2T	(0~10mH <sub>2</sub> O)12 (0~80)°C	O1(level) O1(temperature)	