



Datasheet

Ultrasonic level transmitter

SUP-ULS-B



TOTAL  
**PRESSURE  
SOLUTIONS**



## Datasheet

### Ultrasonic level transmitter SUP-ULS-B

Ultrasonic level meter (measurement of liquid level/material level) is a non-contact, high reliability, cost-effective, easy-to-install and maintain liquid level/material level measuring instrument. It can meet most liquid level/level measurement requirements without contacting the measured medium. It is a new generation of ultrasonic level gauge with completely independent property rights of our company.

#### Applications

- Fire water tank
- Deep well water level
- River reservoir
- Engineering pool
- Sewage/waste water
- Chemical material

#### Features

- Simple operation
- Remote type with touch buttons improves the quality of human-computer interaction
- Fault self-diagnosis technology, realize real-time fault self-diagnosis
- A variety of working conditions algorithm selection, improve environmental adaptability;
- High measurement resolution
- Fast response, the fastest response time:2 seconds;
- Automatic temperature compensation



**Ultrasonic level meter**

#### Principle

SUP-ULS-B utilizes the reflection of ultrasonic waves when encountering the interface of liquid media (solid media) of different densities, and measures the liquid level/distance by measuring the transit time.



Parameters	
Product	Ultrasonic level transmitter
Model	SUP-ULS-B
Measure range	0-5m,0-10m,0-15m(optional)
Blind zone	≤0.3m(5m)
	≤0.35m(10m)
	≤0.5m(15m)
Accuracy	±0.5%FS
	±0.3%FS
Display	Monochrome LCD screen
Output (optional)	Isolated,4-20mA
	Output precision:±0.5%FS
	RL≤500Ω
Measuring variable	Level/Distance
Power supply	100-240 VAC,5W MAX,50/6Hz
	18-28 VDC
Temperature range	Converter:-20-60 °C
	Sensor:-20-80 °C
Humidity range	10%-85% RH(no condensation)
Ingress protection	Converter:IP65
	Sensor:IP68
Cable	10m(Standard)
	30mMAX(optional)



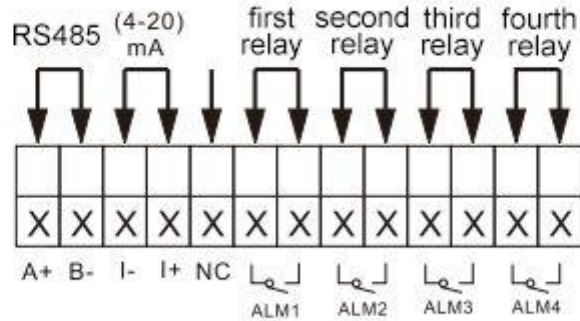
## Wiring

Probe wiring

red black blue



S G T



Power Interference  
Ground Terminal

220V  
AC



L N E

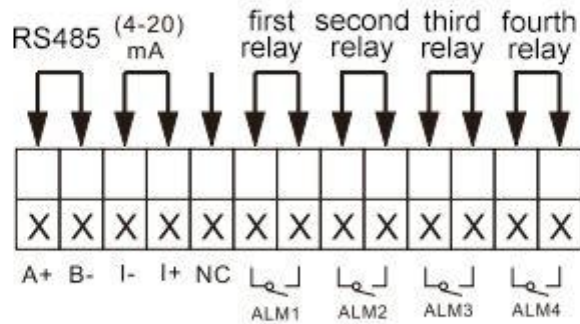
220V Power supply

Probe wiring

red black blue



S G T



Power Interference  
Ground Terminal

24V  
DC

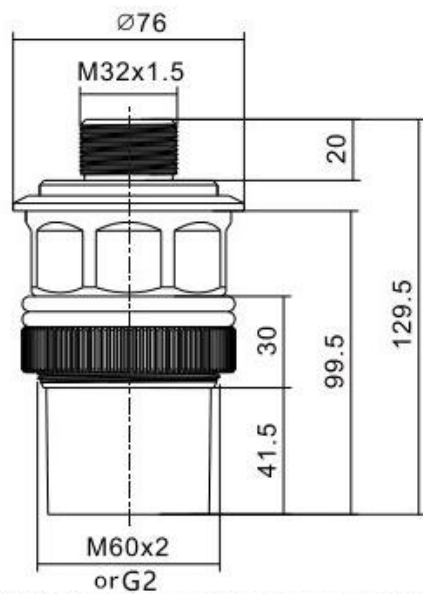
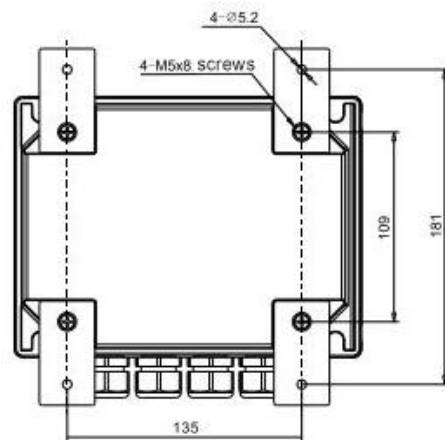
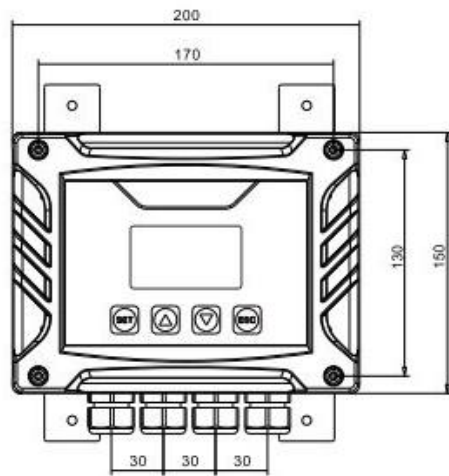


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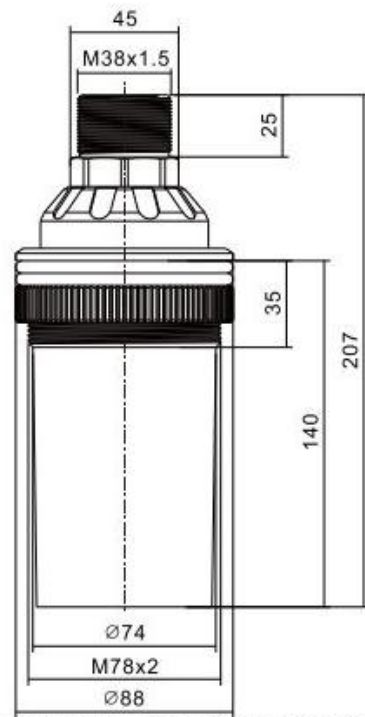
24V Power supply



## Dimension



M60\*2 Thread sensor(Remote type 5m/10m)



M78\*2 Thread sensor(Remote type 15m)

### Ordering code