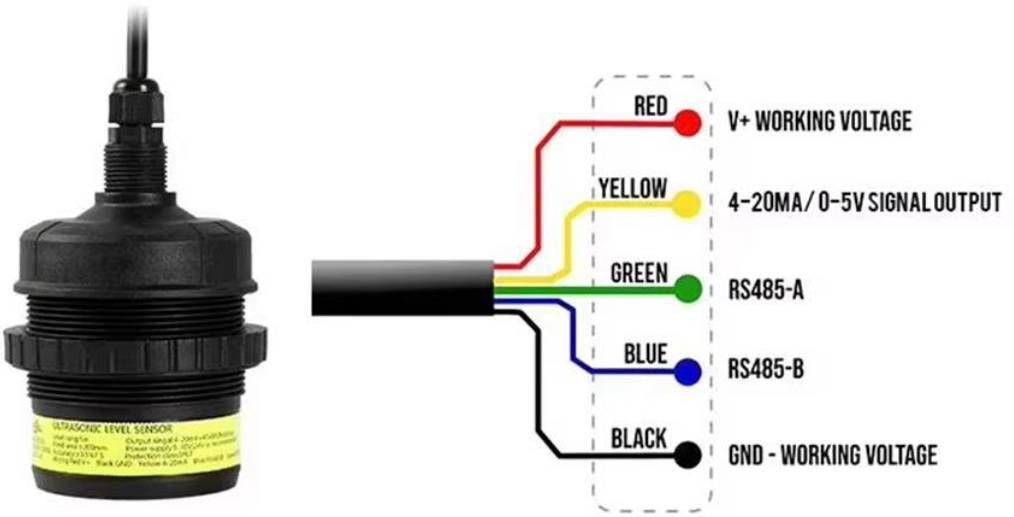
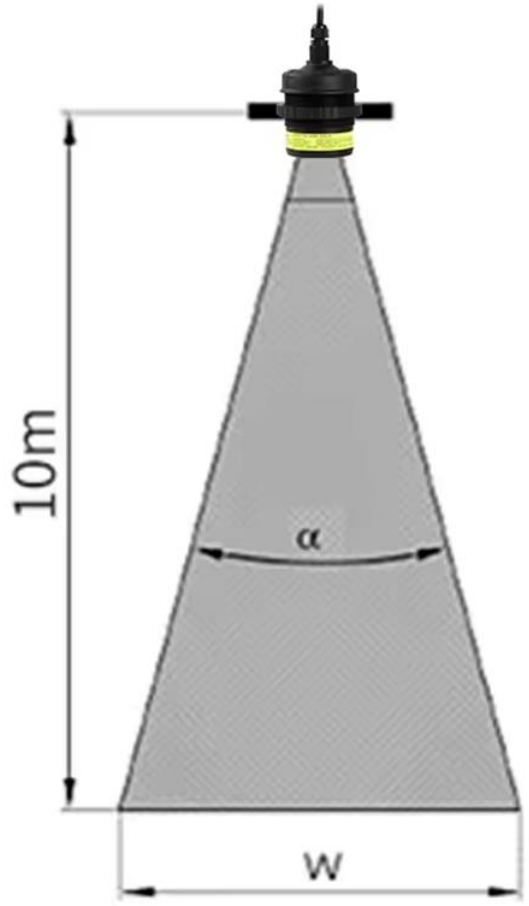
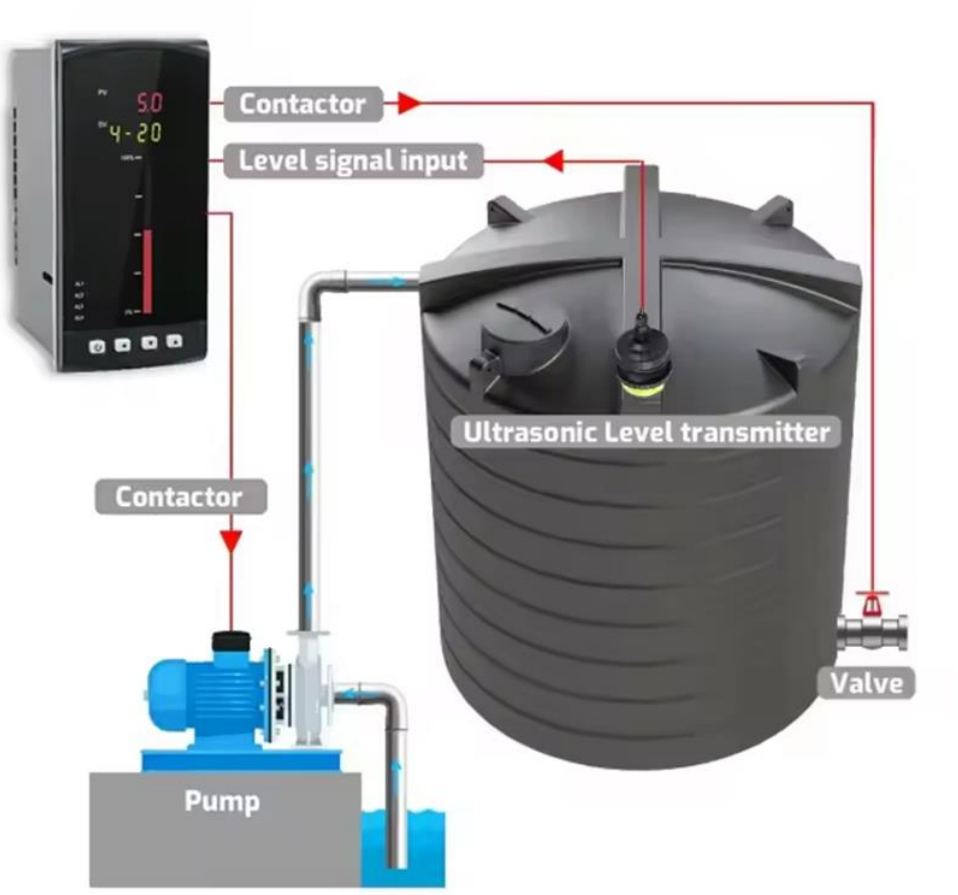
The ultrasonic level sensor emits a high frequency acoustic pulse from its transducer. The pulse travels through the air gap, reflects against the liquid surface and returns to the transducer. The ultrasonic level sensor measures the pulse time of flight and converts this into level height or distance.

The STUE3003 ultrasonic liquid level sensor is a very practical level measuring sensor with simple installation and convenient on-site commissioning. Not affected by the measured medium. It can measure the liquid level of various mediums with an accuracy of 0.5%. It uses SMD components and ASC chip, which makes the circuit compact and concise. The circuit board is plated and has high stability and long-term reliability. Meanwhile, the shell uses Polypropylene materials with sturdy texture and good acoustic property. The transducer can be used in most working condition sites.

Measuring range	2.5m, 5m, 10m, others on request
Blind area	≤150mm(for 2.5m &5m ranges); ≤500mm(for 10m range)
Accuracy	0.5%F.S (typical), 0.25%F.S (by customized)
Beam angle	12°
Measuring mode	Distance mode(default), or level mode optional
Output signal	RS485+4~20mA; RS485+0~5V
Power supply	10~30VDC(24VDC recommended, 5~30VDC by customized)
Working temperature	-10~50℃(-40~80℃ by customized)
Working current	≤100mA
Installation mode	Nut clamping fixed installation, screw-in installation, M68×2
Response time	0.1s~10s(adjustable)
Product material	Polypropylene + glass fiber
IP rating	IP67 typical, IP68 by customized


RED
V+ WORKING VOLTAGE
YELLOW
4-20MA/ 0-5V SIGNAL OUTPUT
GREEN
RS485-A
BLUE
RS485-B
BLACK
GND - WORKING VOLTAGE


10m
α
W



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