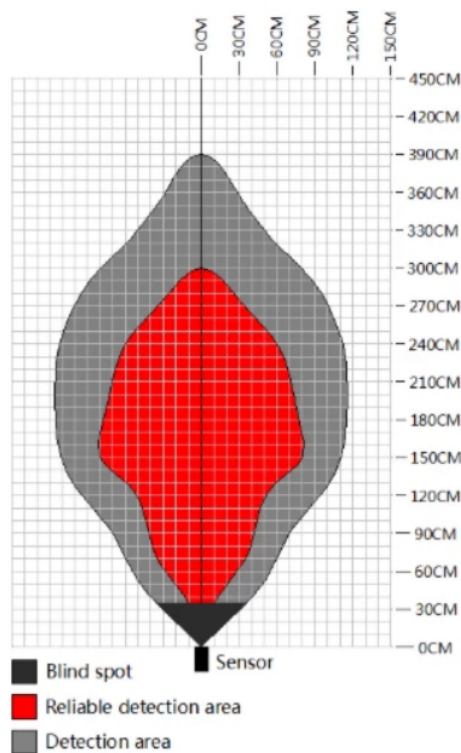


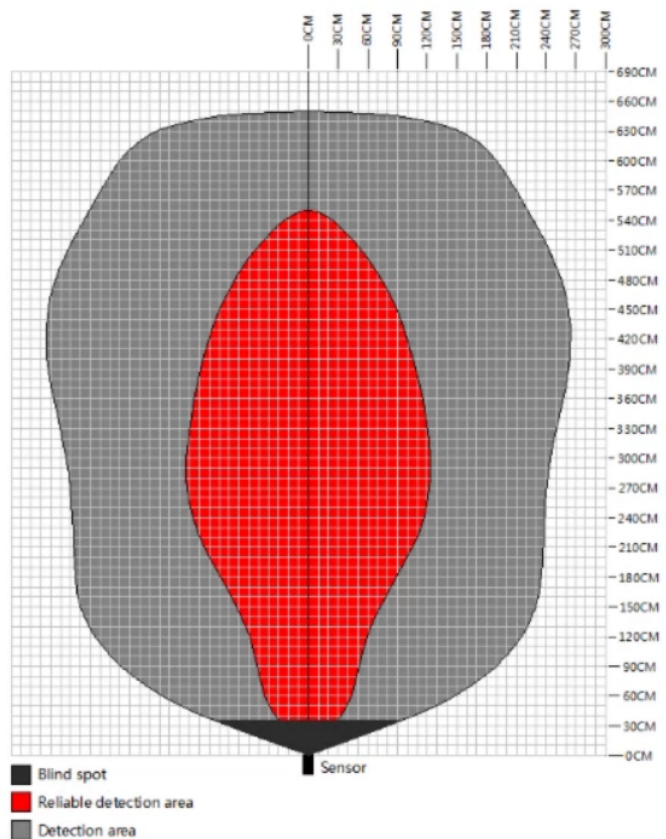
Introduction

With an internal temperature compensation and accurate distance detection, URM08-RS485 is a combination of temperature measurement device and distance inspection tool. The inner is fully enclosed and the external is made of metal crust, which has brought advantages such as waterproof, dustproof and corrosion resistance. It is applicable to detections of liquid level, levels, and barrier applications. As a high standard [sensor](#), it guarantees smaller blind zone and larger inspection range. On the premise of stable output data, it shows better measurement capabilities in the market of temperature sensors and distance detection [sensors](#).

Test on PVC Pipe (diameter 7.5cm)



Test on Smooth Flat Panel



URM08 Beam Angle

Specification

- Operating Voltage: DC 6.0 ~ 12.0V
- Operating Current: 250mA
- Effective Range: 35 ~ 550 cm
- Distance Resolution: 1cm
- Temperature Resolution: 0.1°C
- Temperature Error: $\pm 1^{\circ}\text{C}$
- Measurement Period: 70ms
- Operating Temperature Range: $-10 \sim 70^{\circ}\text{C}$
- Distance Error: $\pm 1\%$

- Operating Humidity Range: RH<75%
- Acoustic Frequency: 38 ~ 42KHz
- Direction Angle: 60 °
- Protection Grade: IP65
- Communication Interface: RS485 ModBus-RTU

Shipping List

- URM08 - Waterproof Industrial Ultrasonic Distance Sensor (35~550cm, ModBus-RTU) x1
- Screw Nuts x2
- Metal Pads x2
- Adaptor Wire x1

Documents

- [Product Wiki](#)