

ULTRASONIC LEVEL TRANSMITTER



The transmitter includes several proprietary technologies, is safe and clean, with high precision and long service life, stable and reliable, and convenient to install and maintain, and is applicable to various fields of acid, alkali, salt, anticorrosion, and high temperature.

Technical Information

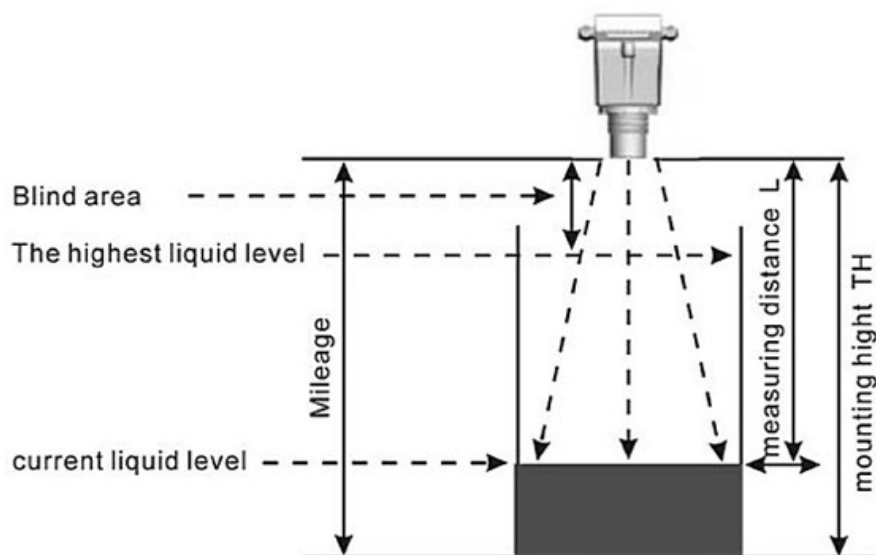
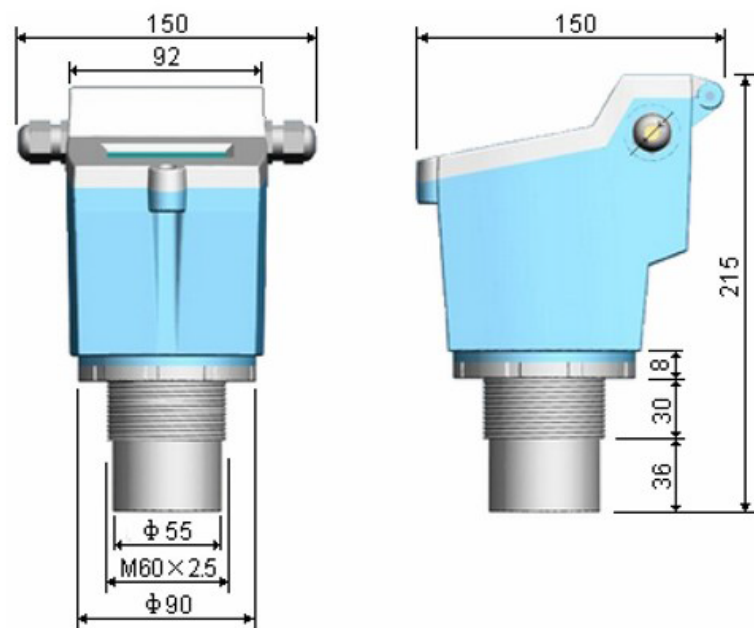
Measuring range	0~15m (Chosen based on actual measuring range)
Blind area	0.25m~0.6m
Ranging accuracy	0.3% (Standard condition)
Ranging resolution	1mm
Pressure	Less than four atmospheric pressure
Meter display	With LCD to display liquid levels.
Analog output	4~20mA, RS485(optional)
Digital output	RS485, Agreement Modbus or customization agreement
Power supply voltage	DC24V/AC220V, lightningproof device installed inside
Ambient temperature	— 20 deg ~ + 60 deg
Protection grade	IP65

Detailed Image



Features

1. For circuit design, high-quality power modules are selected to be as power supply parts and highly stable and reliably imported devices are used as components of the meter. It can fully replace imported foreign meters of the same type.
2. Patent sonic-wave intelligent technology software can make intelligitized echo analysis. It needs neither debugging nor other special steps. This technology has functions of dynamic thinking and dynamic analysis.
3. Our sonic-wave intelligent patent technology greatly improves the meter's precision, and the precision of liquid level is up to 0.3%, which is enough to resist various interference waves.
4. The meter is a non-contact one and does not directly contact liquid, so the fault rate is low. The meter can be installed in several different ways, and the user can make meter calibration according to the Manual.
5. The meter's all input and output lines must be with such protection functions as lightning protection and short circuit prevention.



As shown, instrument's transducers made after the wave hit the level reflected back to transducer, the transducer receives income calculated after the hair waves to waves of time, are measured from the L, meter installation height minus the measurement of TH the distance L will be the current level H.

Meter range means the instrument can measure the distance, the installation should be less than a high degree of TH range.

Instrument blind means measuring instruments in the vicinity of the transducer cannot be measured in the region, the highest level with the transducer spacing should be greater than the blind, for example: blind spot for the 0.3m, the highest level with the transducer spacing must be greater than 0.3m.