# ULTRASONIC LEVEL METER (JAYCEEULTRA)

## PRINCIPAL

JAYCEEULTRA Ultrasonic level meter is the latest ultrasonic level meter that our company produced, it adopt many advantages from our domestic and overseas market, to achieve all digital, user-friendly design concept, with a sound structures / Level Control , data transmission and human-machine communication capabilities. We use controller for main chip, digital temperature compensation and ultra-wide input voltage regulator and other dozens of pieces related to ASIC. Has a strong anti-interference, can be arbitrarily set the upper and lower nodes and online output regulation, and with the on-site displays, selectable analog, switching capacity and RS485 output for easy interface with the related facilities. It can meet lots of position measurement requirement but no need to access to industrial media, and thus completely solve the pressure-type, capacitive type, float type, and so brought the traditional measurement of winding, plug, leaking, media corrosion, maintenance and other inconvenient shortcomings.

## Features

Strong, stable sensor suitable for harsh industrial situation; Strong anti-interference, can be arbitrarily set the upper and lower nodes and on-line output regulation; Transducer built-in temperature sensor, to achieve real-time measurement of the value of automatic temperature compensation; Blind spots can also be manually set, shielding the probe near the interference signal; 4 ~ 20MA current output, optional field bus interface.

## Applications

☆ Water and wastewater treatment. Pumping station, collection wells, biochemical reaction tank, sedimentation tanks, etc.

☆ Electric power, mining Mortar pool, coal slurry pond, water treatment, etc.



FLAME PRROF VERSION          STANDARD VERSION

**FIGURE 1 : ULTRASONIC LEVEL METER**

The JAYCEEULTRA Ultrasonic level meter is instrument of measuring material level, which is non-contact, high reliability, cost-effective, easy to install and maintain. It meets the requirements of material level without the contact and owns the independent property rights.

## JAYCEE TECHNOLOGIES PVT. LTD.

# Technical Specification

| Parameters | Integrated Type | Separated Type |
|---|---|---|
| Measuring Range: | 5M, 10M, 15M, 20M, 30M, 50M | 5M, 10M,15M,20M,30M,50M 70M Negotiable |
| Display | English LCD display Level, distance, transmission value, ambient , Temp, echo state, alarm display, algorithm selection | English LCD display Level, distance, transmission value, ambient , temp, echo state, alarm display, algorithm selection |
| Power Supply: | 4-20mA/750 load resistance(2wire) 4-20mA/250 load resistance(4wire) OPTIONAL 1-5V (3wires) 0-5V (3 wires), 0-10V (3wires) | 4-20mA/750 load resistance OPTIONAL 1-5V (3wires), 0-5V (3 wires) 0-10V (3wires) |
| Relay /Alarm Output: | AC 250V/ 8A;   DC30V/ 5A; State programmable (optional for 4 wire) | AC 250V/ 8A;   DC30V/ 5A; State programmable (optional) |
| Accuracy | 0.2%--0.5% F.S | 0.2%--0.5% F.S |
| Blind Zone: | 0.2-0.6m | 0.2-0.6m |
| Working Pressure: | 2 Bar (Explore Proof Type is 5 Bar) | 2 Bar |
| Resolution: | 3mm or 0.1%F.S (Max of them) | 3mm or 0.1%F.S (Max of them) |
| Environment Temperature: | Sensor: -20~+80 | Sensor: -20~+80 |
| Digital Output | RS485 , | RS485 , |
| Explore Proof: | Ex(ia) □CT6 (optional) | Not available |
| Water proof: | IP65 IP66 | IP65 IP68 |
| Cable of Sensor: | NA | 10 mtr standard |
| Sensor Installation: | Screwed, top mounted | Screwed, top mounted |

Continuous efforts for product development may necessitate changes in specifications without notice.