

## Ultrasonic Open Channel Flow Meter:



SPLIT TYPE



INTEGRATED TYPE

### **SALIENT 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

### **THEORY :**

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 short comings.

**TECHNICAL SPECIFICATIONS:**

Range : 5M, 10M, 15M, 20M, 30M, 50M, 70M

Power Supply : 24VDC, 120mA / 12VDC

Display : LCD display - Level distance, transmission value, ambient Temperature, echo state, alarm display, algorithm selection

Analog Output : 4-20mA/750 load resistance(2wire), 4-20mA/250 load resistance(4wire), OPTIONAL 1-5V (3wires), 0-5V (3 wires), 0-10V (3wires)

Relay /Alarm Output : AC 250V/ 8A , DC30V/ 5A(Optional)

Accuracy : 0.2%--0.5% FS

Blind Zone : 0.2-0.6m

Working Pressure : 2 Bar

Resolution : 3mm or 0.1%FS (Max of them)

Environment Tem. : Sensor: -20~+80

Digital Output : RS485 (Optional)

Water proof : IP65

Sensor Installation : Screwed, top mounted

**APPLICATIONS:**

- Water and waste water treatment
- Pumping station, collection wells, biochemical reaction tank, sedimentation tanks, etc.
- Electric power, mining mortar pool, coal slurry pond, water treatment, etc.

Continuous efforts for product development may necessitate changes in specifications without Notice

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