

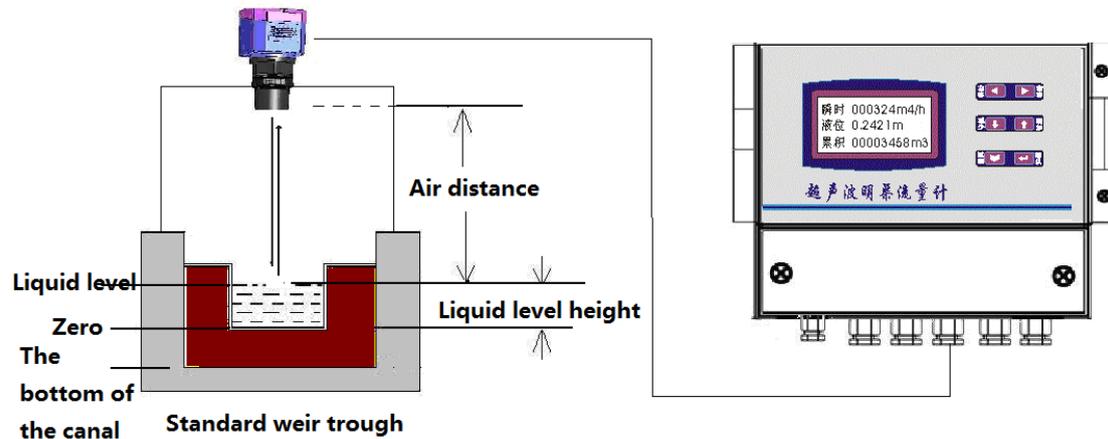


Ultrasonic open channel flow meter manual

Outline

GLP ultrasonic flow meter is intelligent non-contact level measurement instrumentation. Chinese display and simple operation, taking into account the standard 4-20 Ma input. The product has automatic power adjustment, gain control, and temperature compensation. The imported chip processing and advanced testing computing technology to improve the measurement accuracy of the instrument, the interference signal suppression function to ensure that the measurement results of the real.

Installation Diagram



Scope

1: Pago Break groove, rectangular weir, moonscape weir, triangular

Weir

2: Flow measurement units kg, m3, L, T

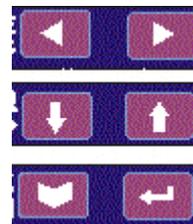
3: Enter the standard 4-20mA

Instrument self

When you detect or installing instrumentation to the normal power- cycle press the return key air distance values (without setting the automatic detection) should be quite practical air distance, or the meter does not work, to determine whether the installation reasonable (Adjust the mounting position , angle, etc.)

Page description

Circulation press the return key to see the following page



- 1: instantaneous, level, cumulative
- 2: instantaneous flow
- 3: The cumulative flow
- 4: time, date
- 5: air distance probe blind spot, the name of the weir trough

Menu Use

Press the Enter key a few seconds to appear, please enter the password-XXXX-interface, input the factory passwords -0000 - enter the setup menu. When the menu setting is complete, press the return key, the Enter key you want to save.

1, the flow

- (1) Select slot: A traffic patterns Pago Break slot, rectangular weirs, and other wide weir, triangular weir B-flow units kg, m³, L, T (Please set the the weir tank size)
- (2) probe: Level-channel ultrasound ultra sound probe input (Please select)
The ***** electric current (standard 4-20mA input) *****
- (3) Compensation (default)

2, the parameter

Current water level (set liquid depth)

Flow ceiling (maximum instantaneous flow, commonly known as range)

The lower limit of the flow (generally located 0.000)

The water level of resection (generally located 0.005)

3, the control

Control I limit, the lower limit of the control I, control II ceiling

Control II lower limit, control hysteresis (generally located 0.050)

4, the system

Keep in mind that the password set (modify password)

Time settings (date modified)

Patrol significant set the clear settings recovery (invalid),

backlight settings (delay off or steady)

5, the communication settings

Native address

Baud rate (1200, 2400, 4800, 9600 e parity n no parity)

Efficacy (factory stand)

Attachment

1 Performance

Range: arbitrary precision: 0.25%

Resolution: 3mm Frequency: 40KHZ

Launch angle: 6 °to 12 blind spot: 0.20 ~ 0.4m

Show: Chinese LCD supply voltage: 220VAC or 24VDC

Signal output: 4 ~ 20mA standard (or optional 485232 when ordering)

Maximum load: 750 ohms control output: standard group 8A

Case Material: PVC ABS Protection class: Ip65

Ambient temperature: -20 ~ +55 °C Mounting thread: M66x3

2, the instrument anomaly analysis

A appear as FFFF (represented no mining to signal))

- (1) The wiring is good
- (2) the installation vertical
- (3) whether the power of small (for example: the surface of the liquid foam, floating debris, smoke, dust, etc.; allows for increased power)

B, the figures do not change (with the water level change)

- (1) the liquid level into the blind spot
- (2) above the liquid level there is an obstacle or the side
- (3) install the port setting or location does not meet the

requirements of

C, show figures of changes back and forth to tamper

- (1) above the liquid level or side obstructions (change the

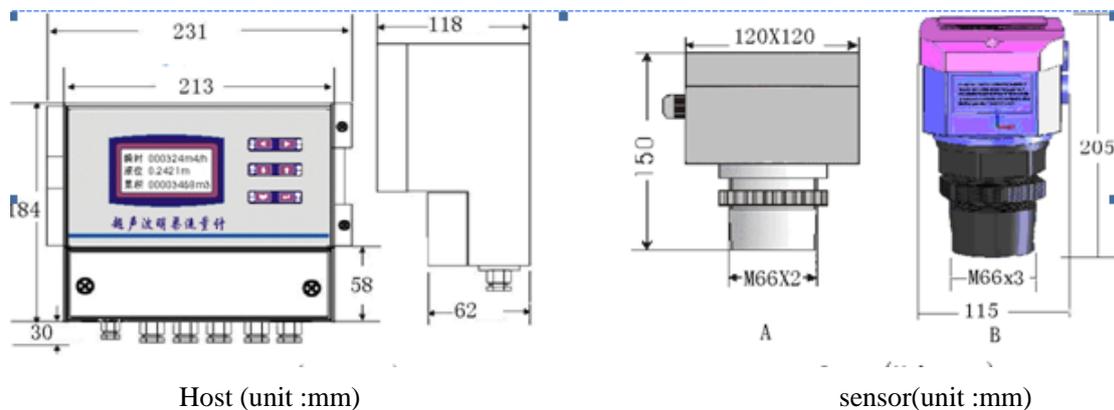
installation location, etc.)

- (2) strong interference sources, etc.

- (3) The instrument itself is bad

Tip: When you repeatedly not find the reason, the analysis necessary to communicate with manufacturers

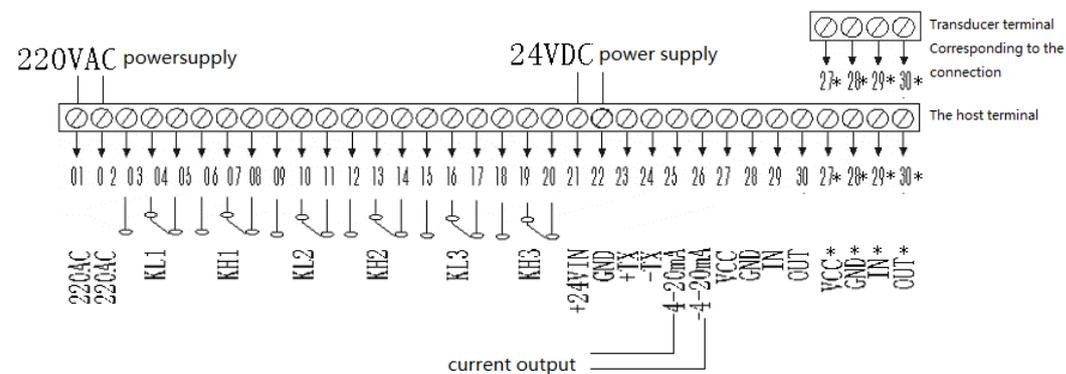
3, meter size



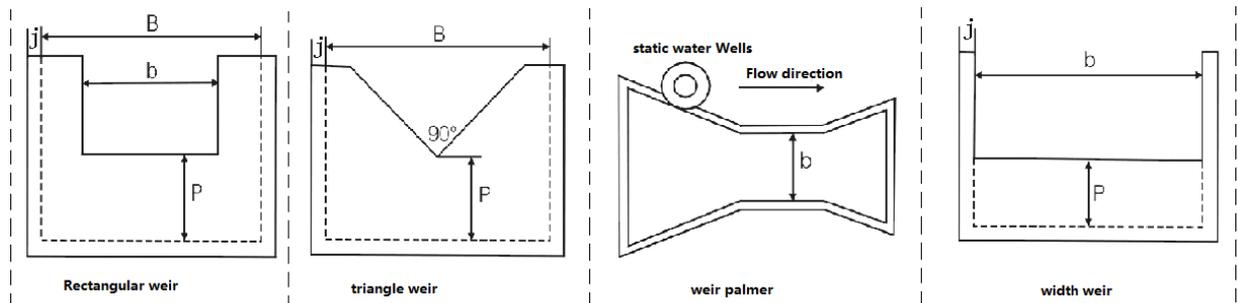
Host (unit :mm)

sensor(unit :mm)

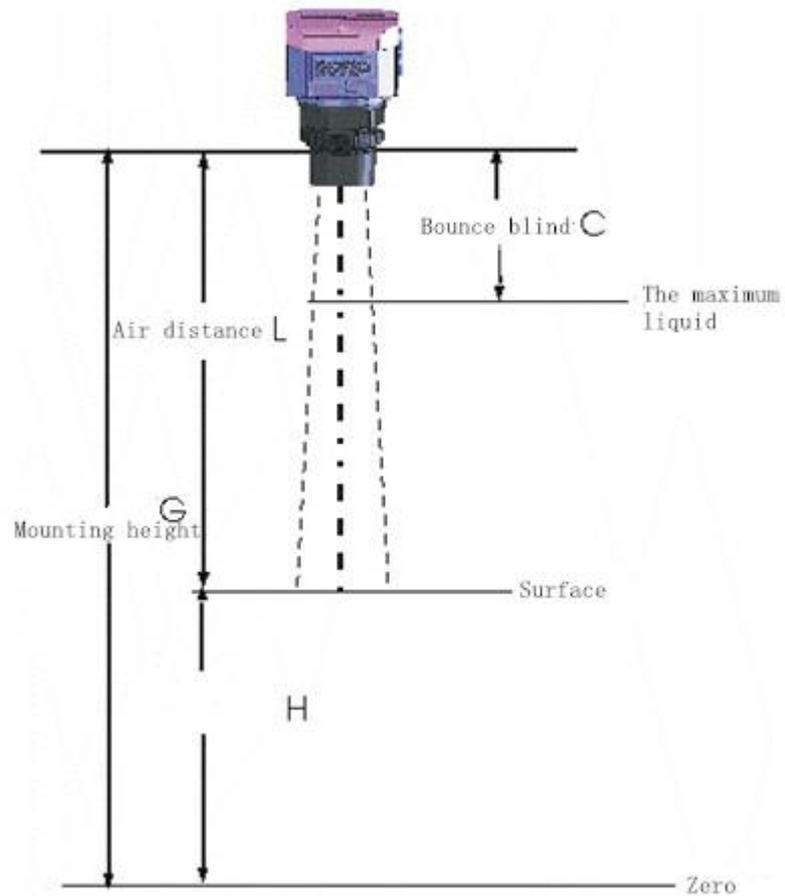
4, Wiring diagram (instrument with)



5, weir trough a model and size settings

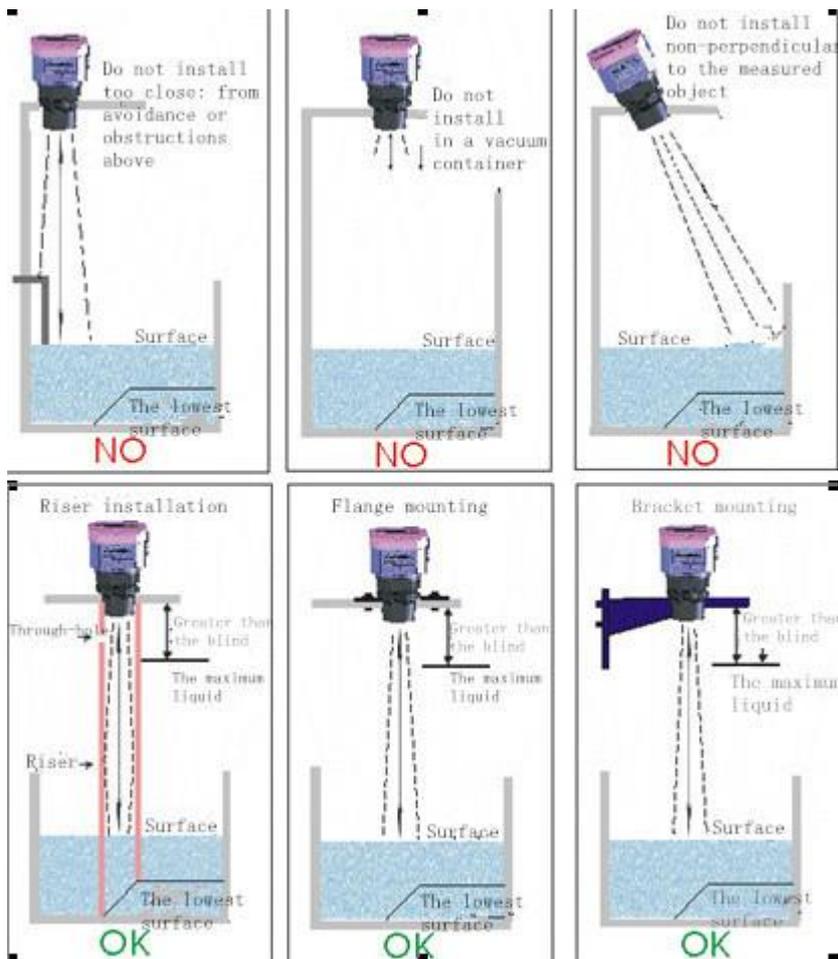


- (1) Please select the the weir trough, and set B , b , p value
- (2) weir slot board surface smooth
- (3) j size inlaid into the channels, field definitions



Installation Issues

As the emission angle of the ultrasonic probe
 Therefore, we in the choice of the existence of blind spots
 Installation location can not too close to the left edge of the
 So as not to affect the normal work of the instrument



When you need to access the standard 4-20mA probe signal open channel

flow value when ordering instructions

the page description

Circulation press the return key to see the following page

- 1: instantaneous, level, cumulative
- 2: instantaneous flow
- 3: The cumulative flow
- 4: time, date
- 5: input current level range, the name of the weir trough

Menu Use

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1, the flow

(1) Select slot A traffic patterns; Pago Break slot, rectangular weir,

Moonscapes weir, triangular weir

B, flow units: kg, m3, L, T

The (weir tank size)

(2) the probe current (standard 4-20mA input)

(3) Compensation (default)

2, the parameter

Water level limit (range)

Water level lower limit (0.000)

Flow limit (instantaneous range)

The lower limit of the flow (generally located 0.000)

The water level of resection (generally located 0.005)

3, the control

Control I limit, the lower limit of the control I, control II ceiling Control II lower limit, control hysteresis (generally located 0.050)

4, the system

Keep in mind that the password set (modify password)

Time settings (date modified)

The patrol significant set, cleared settings, restore the (invalid),backlight settings (delay off or Always)

5, the communication settings

Native address

Baud rate (1200, 2400, 4800, 9600 e parity n no parity)