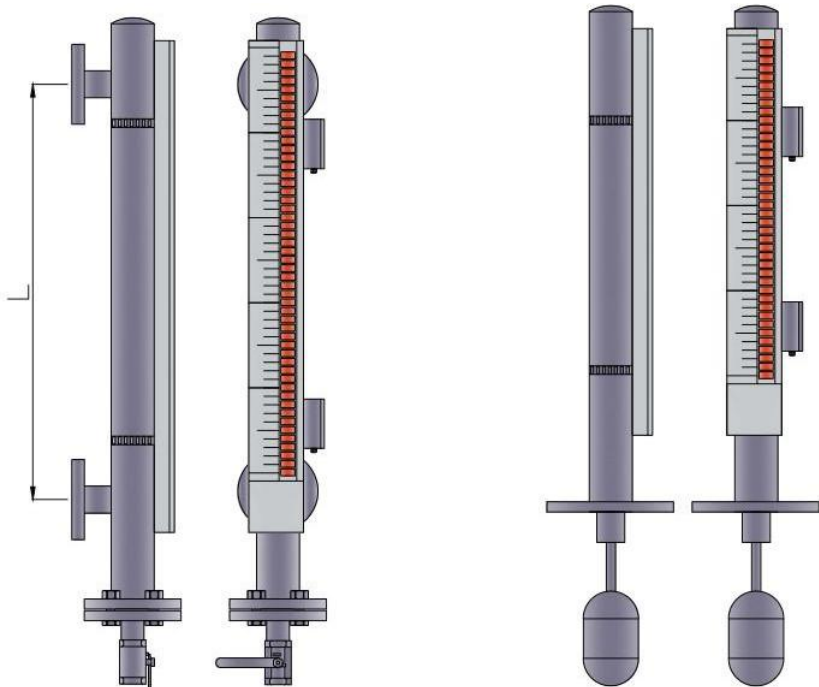




Magnetic Level Indicator

WPUHZ/ZPUHZ

Instruction Manual



1. Product Features

1. Compared with the traditional glass tube liquid level gauge, the magnetic flap liquid level gauge has higher reliability, safety, advancement and practicability.
2. The most notable feature of the side-mounted magnetic flap level gauge is that the liquid medium is completely isolated from the indicator, so it is very safe, reliable and durable under any circumstances. Various types of magnetic flap liquid level gauges are equipped with liquid level alarm and control switches, which can realize the alarm, control or interlock of the upper and lower limits of the liquid level or boundary.
3. After the magnetic flap liquid level gauge is equipped with a static pressure liquid level transmitter or a reed-resistance liquid level transmitter, the liquid level and interface signals can be converted into two-wire 4-20mA standard signals. Such configurations are used for remote indication, detection, recording and control.

2. Technical Parameters

1. Measuring range: 300mm~6000mm (>6000mm)
2. Installation form: side installation, top installation, bottom installation, please specify when ordering
3. Body material: stainless steel, engineering plastics, FRP, PTFE, 316, etc.
4. Meter structure: side-mounted, top-mounted and insulation jacket type
5. Display mode: 1. On-site direct reading; 2. Upper and lower limit alarm (output signal: normally open or normally closed)
6. Remote transmission: output signal 4~20mA

7. Connection method: threaded connection, flange connection, etc.
8. Medium temperature: $-20^{\circ}\text{C}\sim 80^{\circ}\text{C}$, $80^{\circ}\text{C}\sim 480^{\circ}\text{C}$, (anti-corrosion type $-20^{\circ}\text{C}\sim 80^{\circ}\text{C}$)
9. Measurement accuracy: $\leq \pm 10\text{mm}$
10. Medium density: Liquid level: $\rho \geq 0.5\text{g/cm}^3$ Boundary position: $\rho_1 - \rho_2 \geq 0.25\text{g/cm}^3$
11. Nominal pressure: $0\sim 2.45\text{Mpa}$, $2.45\text{Mpa}\sim 9.6\text{Mpa}$
12. Protection level: IP65
13. Power inlet: M20 \times 1.5 (internal thread)

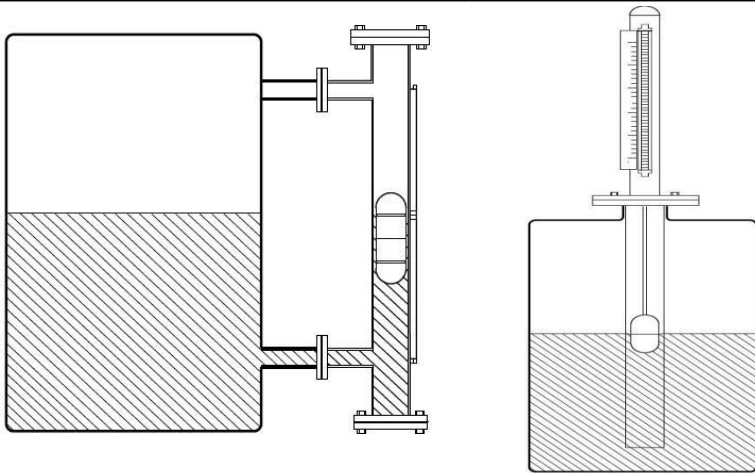
3. Wiring Diagram

(Explosion-proof type) 4-20mA output wiring diagram	Switch signal output (NO/NC) wiring diagram
(Explosion-proof type) switch signal output (NO/NC) wiring diagram	Switching signal (NO/NC) "holding type"/"switching type"
	<div data-bbox="1973 1070 2136 1203" style="border: 1px solid black; padding: 5px;"> <p>Switching type: When the magnet is close to the reed switch, the switch operates, and when the magnet leaves, the switch action is reset</p> </div> <div data-bbox="1973 1230 2136 1374" style="border: 1px solid black; padding: 5px;"> <p>Holding type: When the magnet is close to the reed switch, the switch acts and maintains a self-locking state. After the magnet leaves, the switch can only act when it is close to the switch again</p> </div>

4. Precautions For Installation

1. The direction of the connecting flange bolt hole on the user equipment needs to be consistent with the direction of the flange screw hole on the liquid level gauge.
2. M means sinking distance, the smaller the specific gravity of the medium, the longer the float, the larger the sinking distance, and vice versa.
3. There should be no magnetic conductor near the liquid level gauge, otherwise it will directly affect the normal operation of the liquid level gauge.
4. When the liquid level gauge is installed and put into operation, the user should ensure that the liquid enters the main pipe smoothly, which can prevent the liquid from rising sharply with the float, causing the magnetic turning column to fail or indicate inaccurately. (At this time, the magnetic steel can be used for correction, and the magnetic steel is used to rub against the surface of the magnetic flap, so that all below the liquid level are displayed in red, and all above the liquid level are displayed in white).
5. The installation position of the magnetic flap liquid level gauge should avoid or be far away from the inlet and outlet of the material medium, so as to avoid the rapid change of the local area of the material fluid and affect the accuracy of the liquid level measurement.

5. Installation Instructions



*Instructions before installation:

1. Before using the magnetic flap level gauge, the user should first use the calibration magnet to set the flipper below the water level to red, and the other flippers to white;
2. If the user uses the heating pipeline by himself, he must use non-magnetic materials, such as copper tubes. The heating temperature is determined according to the medium condition;
3. The magnetic flap level gauge must be installed vertically;

4. The medium should not contain solid impurities or magnetic substances, so as not to block the float;
5. If the magnetic flap is installed in the stirring area, an anti-wave tube can be installed.

6. Unpacking & Inspection

1. The packaging should be intact
2. If you find that the product is damaged or parts fall off and loose when unpacking, please notify us in time
3. Packing contents: 1) One product 2) One instruction manual 3) A product certificate