

ZNC-Magnetic Flip Level Meter



I. Product Introduction :

Magnetic flap level meter, suitable for petroleum, chemical, metallurgy, food, brewing, medicine, chemical fiber, fertilizer and environmental protection power supply water and other industrial sectors. Used to measure the level of liquid in pressurized containers or open containers, the level meter can directly indicate the liquid level on the spot and can also be attached to the level limit alarms and telemetry, to achieve long-distance level alarm and monitoring.

The level meter also has the ability to measure the level of corrosive media and high working pressure and liquid level at room temperature liquidity and two different specific gravity of the liquid interface features, according to user requirements using corrosion-resistant metal materials or non-metallic materials made of corrosion-resistant liquid level meter and measurement of liquidity and liquid level at room temperature with steam heating and high pressure type liquid level meter. Especially the UFC type column type directional reflective magnetic flip level meter, it has the characteristics of high measuring precision, high magnetic effect, flexible flip, red and white color without fading, suitable for the application in the place of dark light, and can be observed at night.

The structure of this level meter is simple and easy to maintain, generally use stainless steel 1Cr18Ni9Ti material and various corrosion-resistant materials, this level meter is separated from the measured medium and the indication system, has a good airtight. Instrument indication for the red and white reflective column and ball and centimeters, decimeters, meters as the unit of the scale indicator disk, the indication is obvious and eye-catching is the level meter alone.

II. Working Principle

In the connecting pipe connected with the container, the float rises and falls with the liquid level in the pipe, thus reflecting the liquid level change of the container.

The float rises and falls with the liquid level in the tube, thus reflecting the liquid level change of the vessel.

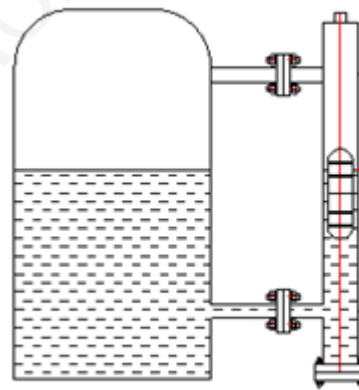
The level changes are then transmitted to the red and white reflector columns through the magnets in the float,

Then, through the magnet inside the float, the liquid level change is transmitted to the

red and white indicator reflector. When the liquid level rises, the red and half-fluorescent columns are continuously turned to the outside, and the liquid level falls. When the liquid level rises, the red half-fluorescent column turns to the outside continuously, and when the liquid level falls, the white half-reflective column turns to the outside continuously.

outward. According to the liquid level height indicated by the red half-reflective column read out the specific value.

specific value according to the height of the liquid level indicated by the red half reflective column.



III. Technical data and specifications

1. Working temperature: can measure various liquids in the range of $-20^{\circ}\text{C} \sim +150^{\circ}\text{C}$ and $150^{\circ}\text{C} \sim 500^{\circ}\text{C}$.
2. Working temperature in the range of $-20^{\circ}\text{C} \sim -80^{\circ}\text{C}$, optional insulation jacket vacuum type
3. Medium viscosity: $\leq 0.04\text{Pa} \cdot \text{s}$

Viscosity of the medium is large, but the viscosity can be reduced after heating can be considered to use a vapor heating jacket type or electric heating tape type level meter.

4. Anti-corrosive level meter according to user requirements can be used PVC or glass fiber reinforced plastic and ABS engineering plastics or non-magnetic metal materials.
5. The specific gravity of the medium should be greater than or equal to 0.5g/cm^3 , less than or equal to 2g/cm^3 , when the specific gravity of the medium is higher than 2g/cm^3 or lower than 0.5g/cm^3 , the user can propose a negotiated solution.
6. Working pressure: ordinary $0-2.45\text{MPa}$; high pressure $2.45-9.6\text{MPa}$ users should provide working pressure when ordering.
7. With steam heating jacket type level meter heating jacket, can withstand pressure $\leq 0.6\text{MPa}$.
8. The level meter can also measure the interface of two different media specific gravity liquid.
9. Our factory can also customize boiler-specific liquid level meter according to user requirements. (Red and green color display)
 - (1) PZC series (general type) liquid level alarm sensor
 - (2) Upper and lower limit alarm sensor
 - (3) Liquid Level Sensor
 - (4) FZC series (explosion-proof) explosion-proof grade: Exd II BT6 liquid level alarm sensor

- (5) Upper and lower limit alarm sensors
- (6) Liquid Level Sensor

IV. Ordering Information

1. The user must provide the name of the measured medium, specific gravity, working pressure, working temperature, connecting flange standards or dimensions, whether it needs to be equipped with flanges, if there are special requirements in other areas, the two sides can work together to solve the problem.
2. If the user needs to be equipped with valves for the level meter by the manufacturer, it can be put forward at the time of ordering.
3. The installation flange of the liquid level meter is generally made of carbon steel, if it needs to be equipped with stainless steel flange, it can be put forward at the time of ordering.
4. If the user needs the display of the liquid level meter for reference measurement, the user to provide their own measurement data and scale size in the order to be put forward.
5. If the user needs for the liquid level meter with alarms and ordinary, explosion-proof level alarm sensor can be put forward at the time of ordering, the level alarm sensor is divided into the upper and lower limits of the liquid level alarm sensor and liquid level sensor.
6. Users should provide the insertion depth and data accurately if they choose top-mounted liquid level meter.
7. We can produce customized liquid level meters of various special types according to the needs of users (e.g., top-roofed, side-roofed, bottom-roofed, side-mounted, etc.).
8. If the user needs interface meter, must provide the accurate name of the two media and the specific gravity of the medium, the difference between the specific gravity of the two media shall not be less than 0.15g/cm³.
9. Users such as the need for liquid level meter with level sensors, transmitters and displays can be put forward at the time of ordering.