magnetic level gauge with remote transmitter can be used to detect the medium level of various towers, tanks, tanks, spherical vessels, boilers and other equipment. Install the transmitter on the magnetic flap level gauge. The transmitter is composed of a sensor and a converter.UHZ-50 magnetic level gauge moves up and down through the magnetic float, and the measurement elements in the catheter are actuated sequentially through magnetic coupling to obtain the resistance signal change, which is converted into a standard current signal output of 0-10 or 4-20mA. , In order to connect with digital display instrument or computer to realize remote display and control,for more details,AnHui Tiankang UHZ-50 magnetic level gauge .

The principle of the **magnetic level gauge with remote transmitter**

MatchedTKL-121 liquid level teletransmission transmitter

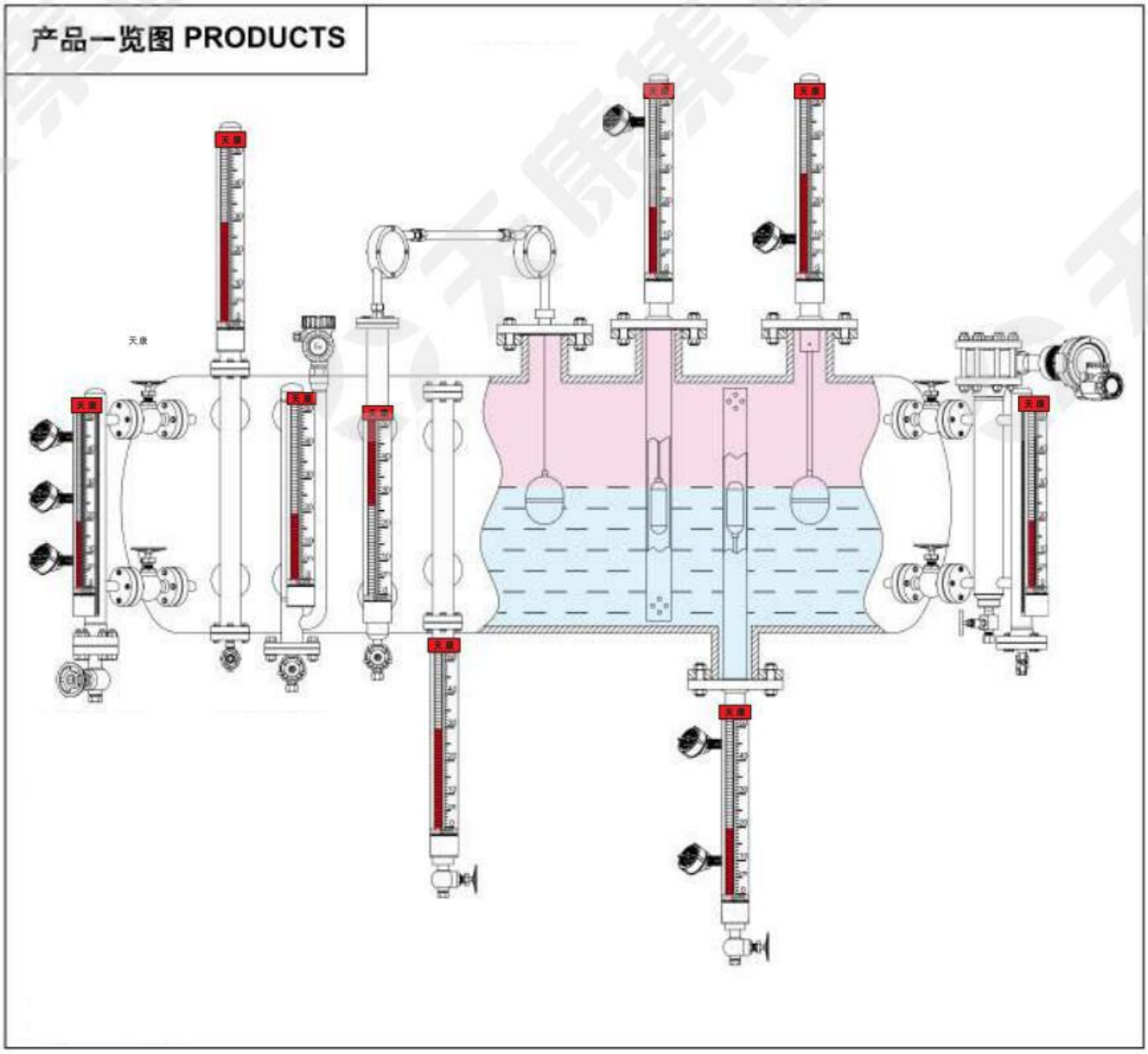
TKL-121 liquid level teletransmission transmitter works the liquid level signal from magnetic system coupling on every reed switch in the resistance chain inside the sensor which gives rise to continuous changes of output resistance,thus causing the continuous change o measuring voltage This voltage is in direct proportion to the tank's liquid level. Through the transmitting converter, it outputs two-wire system4-20mAanalog signal,which can also be equipped with status dispavandHARTcommunication protocol

Matched TKWL-130 magnetostriction liquid level transmitter

TKWL-130magnetostriction liquid level transmitter accurately measures the position of the magnetic floater in the liquid level meter with the pulse sentat theintervalof1.5us.The magnetic field produced by this pulse transmits downward along the wavequide.When the magnetic field of the magnetic floater meets with the pulse current of thepulseresetpuseemergesThenthesensitiveelementdetectsthis reset pulse. According to the time between the current pulse and the reset pulse,the single chip can work out the position of the floater,thus confirming the measured liquid level and boundary.

TKWL-130 products apply to occasions with higher requirements of measurementaccuracy as well as teletransmission and transmission of magneticliquid level meter.Thetransmitter outputstwo-wire system420mA DCsignalswhich can be equipped with HART communication protocol and output RS485 signals.

The electric signal remote transmission of the **magnetic level gauge with remote transmitter** is realized by the combination of the basic type and the liquid level remote transmission device. The liquid level remote transmission device is composed of a UR type resistance sensor and a UB type R/I conversion module. The sensor of the transmitter is fixed on the outside of the main pipe of the UHZ type magnetic flap level gauge in a bundled form to make it at the liquid level Calculated in the same magnetic coupling system. When the magnetic float moves up and down with the liquid level, the reed pipe corresponding to the liquid level position is attracted by the magnetic field in the float, and the resistance value of the resistance chain changes. The changed resistance signal is converted into a two-wire 4-20mADC standard through the conversion module. Signal output, this signal can be conveniently used with electric type III instruments and display instruments, and can also be used with light beam indication and digital display adjustment alarm instruments, so as to achieve the display, control, adjustment and control of the remote magnetic flap level gauge. The purpose of the alarm.



Features of **magnetic level gauge with remote transmitter**

It is suitable for liquid level and boundary level measurement of pressure vessels. It can integrate on-site indication, remote transmission and control alarm.

The indication is novel, the reading is intuitive and eye-catching. The viewing angle can be changed according to the user's convenience.

The measurement range is large and is not limited by the height of the storage tank.

The indicating mechanism is completely isolated from the measured medium, so it is well sealed, has high reliability and is safe to use.

High temperature resistance, non-fading ceramic turning post can be used.

The structure is simple, the installation is convenient, and the maintenance cost is low.

magnetic level gauge with remote transmitter combination of the basic type and the remote transmitter can realize the remote signal transmission, liquid level alarm and control functions. UHZ type magnetic flap level gauge is intuitive, eye-catching, cost-effective, temperature-resistant, pressure-resistant, anti-corrosion, and explosion-proof characteristics, making it widely used in the production process of electric power, petroleum, chemical, metallurgy, environmental protection and other industries. Measurement and automation control.