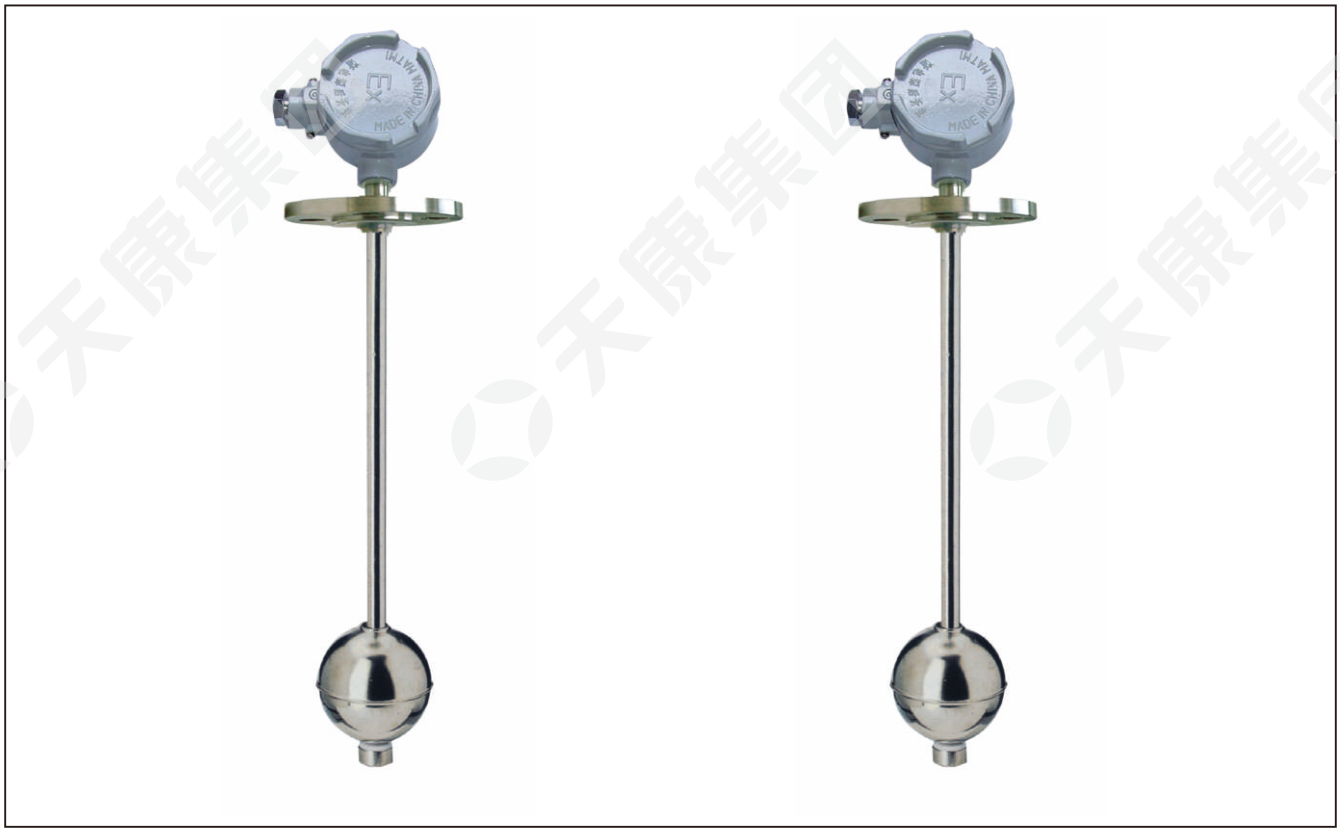
UHZ-50/S系列浮球液位计

UHZ-50/S Floater Liquid Level Meter



一、概述

UHZ-50/S系列液位变送器利用带环形磁钢的浮球随液位升降，使主体管内的干簧管吸合，将液位转换成相应的电阻输出，将其输出电阻信号经专用模块处理将电阻信号转换成二线制的4-20mA信号输出。

UHZ-50/S系列液位变送器用于化工、电力、造纸、造船、环保、食品等行业，承压容器内介质的液位的测量，用于地下槽、池，高层水箱的液位测量，更为简单、可靠，最为理想。UHZ-50/S系列浮球液位变送器的材质为不锈钢耐腐蚀，适用于易燃易爆的场所。

二、工作原理

UHZ-50/S系列液位变送器的主导管内装有一组干簧管和精密电阻，当管外带有环形磁钢的浮球随液位上下变化，相应在主导管内位于液面处的干簧管在磁场作用下依次闭合使回路电阻值发生变化，经专用模块转换成电流输出。

Overview

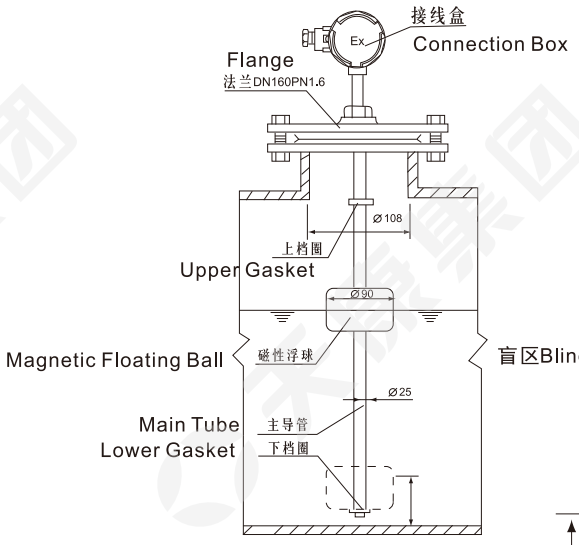
UHZ-50/S liquid level transmitter makes use of the floater with annular magnetic steel which rises or falls with the liquid level so as to make the reed switch inside the main tube pick up, convert the liquid level into corresponding resistance output, thus changing the output resistance signal into the two-wire system 4-20mA signal output through exclusive module processing.

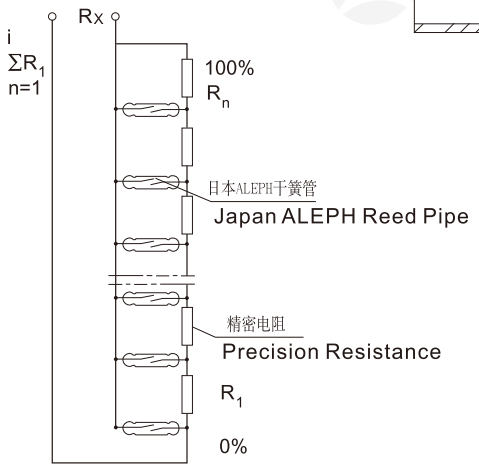
UHZ-50/S liquid level transmitter is widely used in industries like chemical engineering, electricity, papermaking, shipbuilding, environmental protection and food, the liquid level measurement inside the pressure-bearing container as well as the liquid level measurement of underground tanks, pools and high-rise water tanks, so it is easier, more reliable and ideal. The material of UHZ-50/S floater liquid level transmitter is stainless steel, which is corrosion resistant, applicable to flammable and combustible sites.

Principle

Inside the main tube of UHZ-50/S liquid level transmitter, there is a group of reed switch and precision resistance. When the floater with annular magnetic steel outside the tube changes up and down along with the liquid level, correspondingly, under the function of magnetic field, the reed switch at the liquid level inside the main tube will close successively to change the loop resistance value, which will be converted into current output through exclusive module.

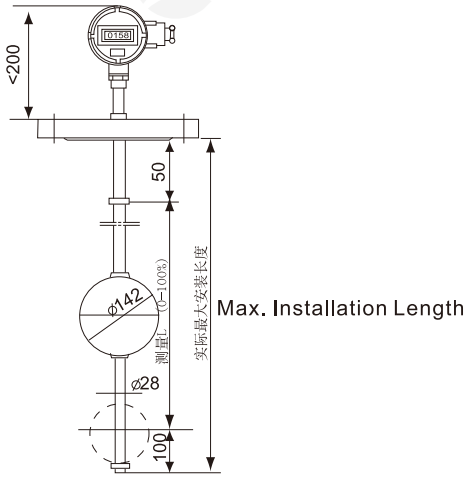
三、结构与形式　　Structure and Form



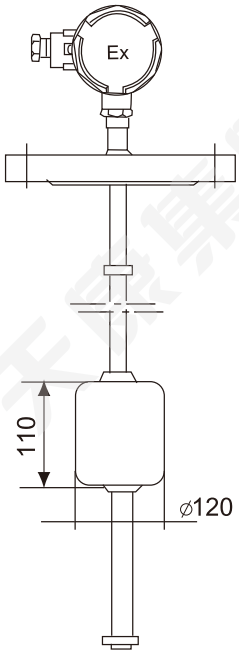


工作原理　　Circuit Diagram

结构与形式
Structure & Form



PIC-a



PIC-b

四、技术参数

1、测量范围：0~6000mm；
2、远传精度：±1.5%（L≥1000mm），
　　±2.5%（L≤1000mm）；
3、变送器电源：24VDC 4~20mA（二线制）输出；
4、介质温度：-10℃~ + 80℃；
5、介质密度：≥0.5g/cm³；
6、工作压力：＜2.5MPa；
7、现场指示精度：±2.5%F.S；
8、防护等级：IP65；
9、防爆等级：隔爆型ExdⅡBT4-6，
　　本安型ExiaCT4-6。

五、特点

1、结构简单，可靠性高；
2、进口磁簧开关，使用寿命长；
3、适用于敞口或带压容器；
4、可用于液位或介面的测量与控制；
5、多种触液材质，适用于强腐蚀性液体；
6、开关控制器提供多种控制方案；
7、具有防爆性能，可用于危险场合；
8、多种安装形式可供选择。

Technical Parameters

1.Measurement range: 0—6000mm
2.Teletransmission accuracy: ±1.5%（L≥1000mm)
3.Transmitter power: 24VDC 4-20mA (Two-wire system) output
4. Medium temperature: -10℃— + 80℃
5. Medium density: ≥0.5g/cm³
6. Operating pressure: ＜2.5MPa
7. Site indication precision: ±2.5%F.S
8. Protection level: Ip65
9. Explosive-proof grade: Flame-proof type ExdⅡ BT4-6Intrinsic safety type ExiaCT4-6

Features

1. Simple structure, high reliability
2. Imported magnetic switch, long service life
3. Applicable to open or pressure vessel
4. Available for the measurement and control of liquid level or interface
5. Multiple fluid contacting materials, applicable to liquid with strong corrosivity
6. Multiple control plans for on-off controllers
7. Anti-explosion is available for dangerous occasions
8. Multiple available installation forms

UHZ-50/S系列浮球液位计订购信息
Order Information of TKUHZ-50/S Floater Liquid Level Meter

UHZ-50/S										
安装方式 Installation method 顶装 Top installation A 其他安装方式 Other installation methods Z										
触液材质 Fluid contacting materials 304 1 316L 2 304+PTFE 3 316+PTFE 4 其他特殊材质 Other special materials Z										
过程连接 Process connection 无固定装置 No fixed device O 固定法兰 Fixed flange 法兰标准 Flange standard 固定螺纹 Fixed thread 螺纹规格 Thread specification 安装支架 Installing support J 其他 Others Z										
数字显示表头 Digital display header 无显示 No display B0 液晶显示 Liquid crystal display B1 数码显示 Digital display B2										
接线盒形式 Junction box form 普通型 Ordinary type S 隔爆ExdⅡBT4-6 Explosive-proof ExdⅡBT4-6 D 本安ExaⅡCT4-6 Explosive-proof ExdⅡBT4-6 E										
测量范围 Measurement range										
插　深 Inserting depth										
工作压力 Operating pressure										
工作温度 Operating temperature										
介质密度 Medium density										