

KJSUHZ - 50 / S 系列浮球液位计

KJSUHZ-50/S Floater Liquid Level Meter



概述

KJSUHZ-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。

KJSUHZ-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。KJSUHZ-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。

工作原理

KJSUHZ-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，相应的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

KJSUHZ-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.

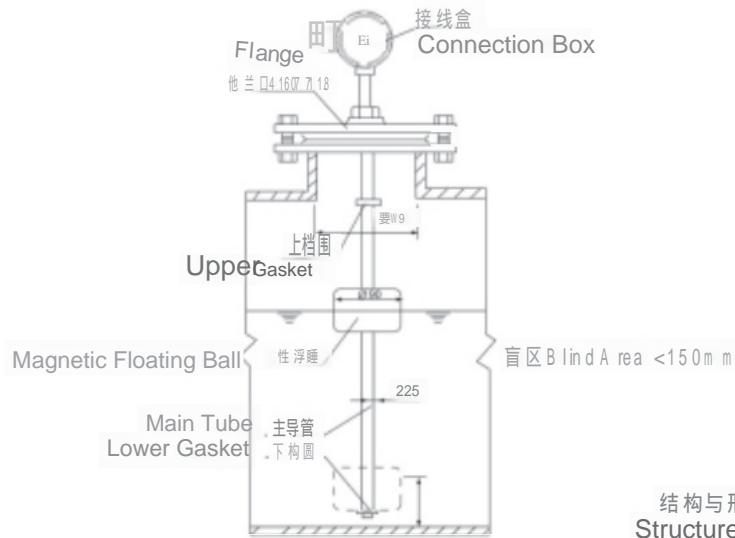
KJSUHZ-50/S liquid level transmitter is widely used in industries like chemical engineering, electricity, papermaking, shipbuilding, environmental protection and food, the liquid level measurement inside the pressure-bearing container as well as the liquid level measurement of underground tanks, pools 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.

Overview

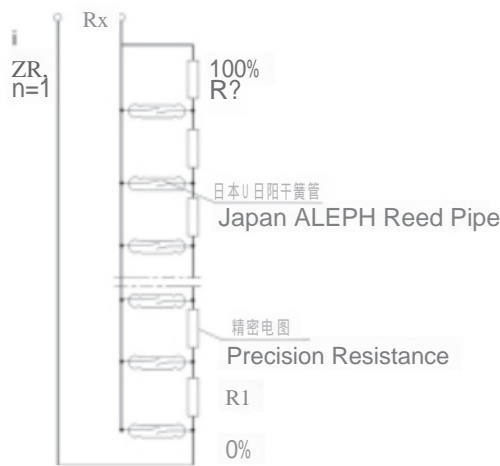
Inside the main tube of KJSUHZ-50/S liquid level transmitter there is a group of reed switch and precision resistance. When the floater with annular magnetic steel outside the tube changes up and down along with the liquid level, correspondingly under the function of magnetic field, the reed switch at 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.

结构与形式

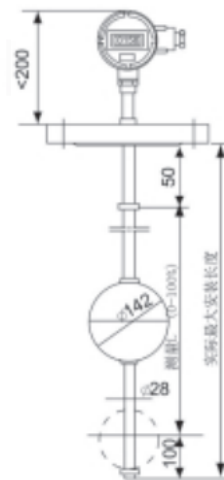
Structure and Form



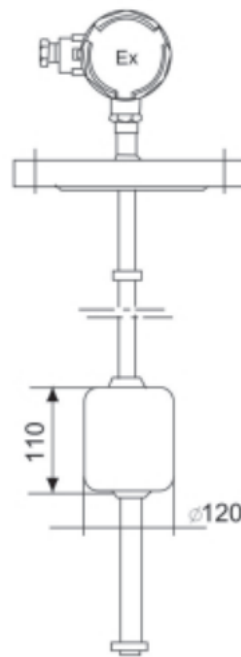
结构与形式
Structure & Form



工作原理
Circuit Diagram



PIC-a



PIC-b

技术参数

1. 测量范围：0-6000mm
2. 远传精度： $\pm 1.5\%$ (L 1000mm)
 $\pm 2.5\%$ (L1000mm)
3. 变送器电源：24VDC4~20mA(二线制)输出
4. 介质温度： $-10 \sim +80$
5. 介质密度： 0.5g/cm^3
6. 工作压力： $< 2.5\text{MPa}$
7. 现场指示精度： $\pm 2.5\% \text{F.S}$
8. 防护等级：IP65
9. 防爆等级：隔爆型ExdIIBT4-6
本安型ExiaCT4-6

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. 可用于液位或界面的测量与控制
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

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

KJSUHZ-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 316L PP PVC 304+PTFE 304+PP 316+PTFE 其他特殊材质 Other special materials		1 2 3 4 5 6 7 Z							
过程连接 Process connection 无固定装置 No fixed device 固定法兰 Fixed flange 固定螺纹 Fixed thread 安装支架 Installing support 其他 Others			O 法兰标准 Flange standard 螺纹规格 Thread specification J Z						
数字显示表头 Digital display header 无显示 No display 液晶显示 Liquid crystal display 数码显示 Digital display								B0 B1 B2	
接线盒形式 Junction box form 普通型 Ordinary type 隔爆Exd BT4-6 Explosive-proof Exd BT4-6 本安Exa CT4-6 Explosive-proof Exd BT4-6								S D 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									

KJSUHZ-50-Ug系列液位远传变送器

KJSUHZ-50-UB Liquid Level Teletransmission Transmitter

本产品也可以与磁翻板液位计配套使用时，作远传变送器功能。将磁性系统耦合过来的液位信号作用于传感器内的电阻链上的每一个干簧管，引起输出电压连续变化，从而引起测量电压的连续变化，此电压与罐体液位成正比，通过变送转换器，输出二线制4~20mA模拟信号，也可以带现场显示和HART通讯协议。

This product can be matched with magnetic liquid level meter as a telecommunication transmitter. Make the liquid level signal coupled by the magnetic system work on every reed switch inside the sensor to arouse continuous changes of the output resistance, thus causing continuous changes of measuring voltage. This voltage is in direct proportion to the tank's liquid level. Through transmission converter, output the two-wire system 4-20mA analog signal, which can also be equipped with status display and HART communication protocol.

KJSUHZ-50-UB						
安装方式 Installation method						
顶装 Top installation		A				
底装 Bottom installation		B				
探杆材质 Probe material						
304			1			
其他特殊材质 Other special materials			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						S
隔爆Exd BT4-6 Explosive-proof Exd BT4-6						D
本安Exa CT4-6 Explosive-proof Exd BT4-6						E
测量范围 Measurement range						
工作温度 Operating temperature						

注：KJSUHZ-50/S-UB系列只产远传部分时选型用。

Note: KJSUHZ-50/S-UB can only be used for the model selection of teletransmission