UHZ-50/S-U_B系列磁性浮球控制器

UHZ-50/S-U_B Magnetic Floater Controller

一、概述

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

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.

二、特点

1、结构简单安装方便，易维护；
2、使用范围广，适用多种介质的液位控制；
3、重复精度高；
4、耐腐蚀性强；
5、特殊要求可定制。

Features

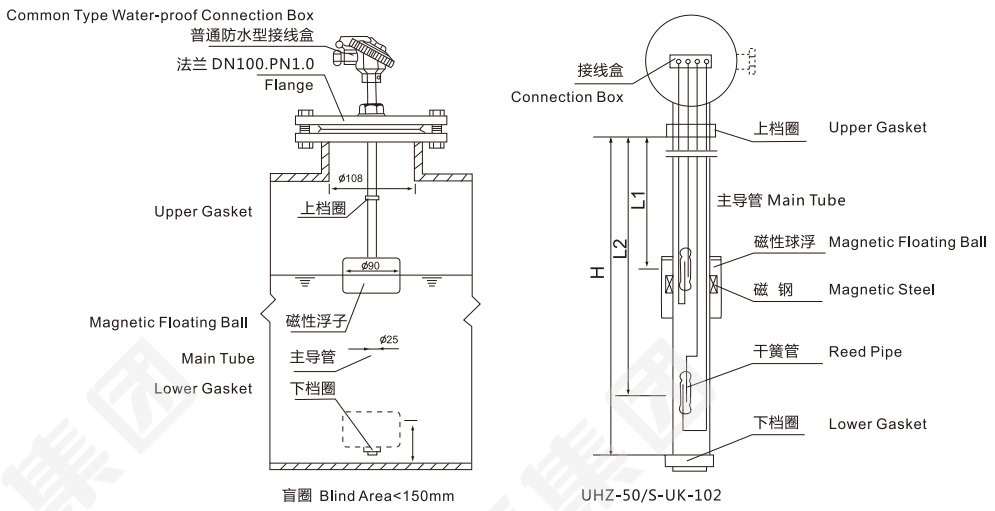
1. Simple structure, easy installation and maintenance
2. Wide range of usage, applicable to the liquid level control of multiple media
3. High repeated accuracy
4. Strong corrosion resistance
5. Customized according to special requirements

三、结构原理

利用磁性浮球随液位升降使处在主导管内设定位置的干簧管开关动作发出接点开关信号。

Structure Principle

The magnetic floater rises and falls with the liquid level, which drives the on-off action of the reed switch at the set position inside the main tube to send out connection switching signals.



结构原理图 Structure & Theory

四、技术参数

1、公称长度：70~3000mm；
2、测量误差：±10mm；
3、触点容量：220VA.C/A（阻性）；
4、防爆等级：ExidⅡCT6；
5、介质比重：＞0.55g/cm³；
6、工作压力：1.0、1.6、2.5；
7、工作温度：0℃~+80℃；
8、介质粘度：≤0.4Pa.S。

Technical Parameters

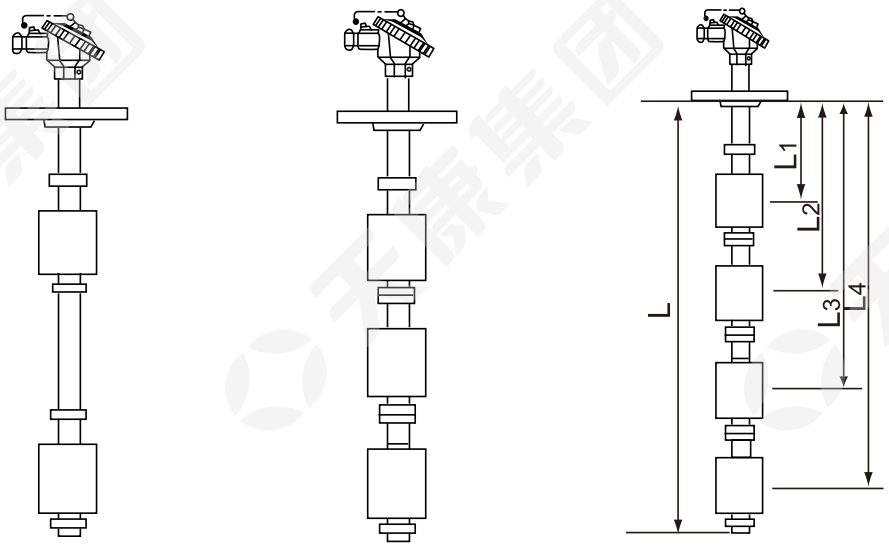
1. Nominal length: 70~3000mm
2. Measure error: ±10mm 24VD.C 0.5A
3. Contact capacity: 220VA.C/A9(resistive)24VD.C 0.5A
4. Explosive-proof grade: ExidⅡCT6
5. Medium proportion: ＞0.55g/cm³
6. Operating pressure: 1.0、1.6、2.5
7. Operating temperature: 0℃~+80℃
8. Medium viscosity: ≤0.4Pa.S

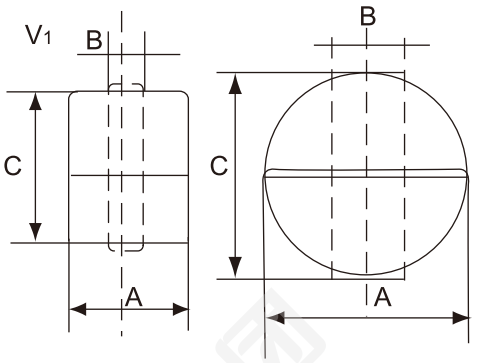
五、产品结构

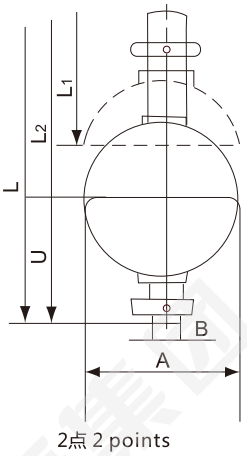
因客户需求的控制方式不同，其控制器的结构也有所不同。

Product Structure

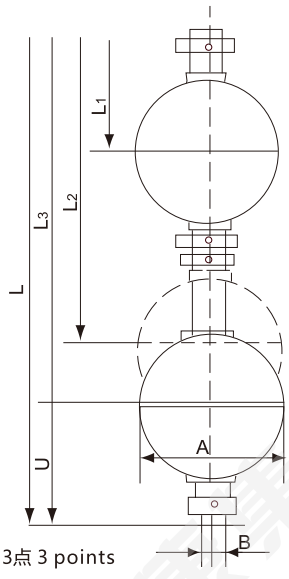
According to customers' different needs of control modes, the structures of the controllers are different.







2点 2 points



3点 3 points

结构形式 Structures (Flange Connection)

UHZ-50/S-U_B系列磁性浮球控制器订购信息
Order Information of UHZ-50/S-UB Magnetic Floater Controller

UHZ-50/S-U_B											
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											
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											
插深 Inserting depth											
控制点数 Control point figures 1个浮球1个控制点 1 floater 1 control points: B0 1个浮球2个控制点 1 floater 2 control points: B1 2个浮球2个控制点 2 floaters 2 control points: B2 3个浮球3个控制点 3 floaters 3 control points: B3 4个浮球4个控制点 4 floaters 4 control points: B4 其他 others: Z											
测量范围 Measurement range											
控制高度及方式（从过程连接处为基准） Control height and method (with the standard of the process joint) 高度mm+常开（K）或常闭（B） Control height and method (with the standard of the process joint)											
工作压力 Operating pressure											
工作温度 Operating temperature											
介质密度 Medium density											