LABTECH

PROLEVEL 300SW

FLOAT LEVEL SWITCH

❖ INTRODUCTION

PPROLEVEL 300SW type connecting rod float level switch uses magnetic force to operate, no mechanical connection parts, simple and reliable operation. It is characterized by long life, fast speed and strong resistance to load impact; it is a safe, reliable, easy to use, and simple structure liquid level controller; it can realize multi-point control. When the float switch is floated by the measured medium, the float drives the main body to move, and at the same time the magnet at the other end of the float controls the magnet on the switch lever.

Set one or more reed switches in a closed metal or anti-corrosion tube, and then penetrate one or more hollow balls with ring-shaped magnets inside the tube, and use a fixed ring to control the floating balls and magnetic reeds The switch is in the relevant position to make the float float up and down within a certain range. The magnet in the float is used to attract the contacts of the reed switch to produce opening and closing actions.

It can be used in ship building, generator equipment, petrochemical, food industry, waste water/purification water treatment, electronics industry, chemical industry, chemical pharmacy and other industries.

❖ PRODUCT FEATURES

★ Multi-point control can be used. The position of the control switch, the quantity can be customized according to the needs of the user.

★The use of reed switch does not require power supply, and the contact life can reach 2 million times.

★The protection level of the junction box is above IP-65.

★Stainless steel, PP, PVC, 304+PTFE, 316+PTFE and other materials, used in high temperature, high pressure, and corrosion.

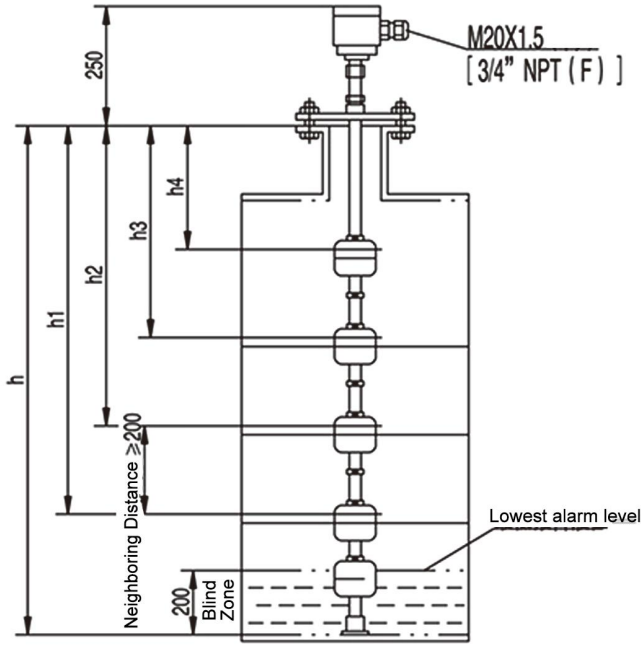
★The reed switch is completely isolated from the wire and liquid, so it can be used safely on high temperature and high voltage equipment.

★The length of the catheter and the size of the switch set point can be customized

❖ PARAMETERS

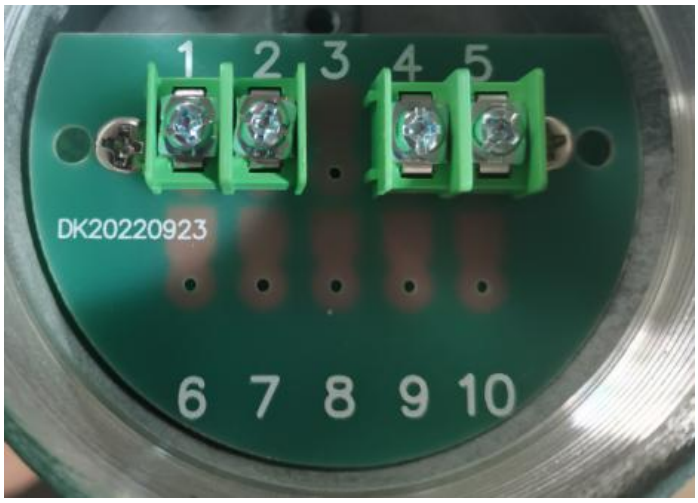
Working pressure: ≤1.0MPa
Working temperature: -30 degrees to 250 degrees (the liquid level does not freeze)
Ambient temperature: -30 degrees to 60 degrees
Installation height: 0-6m
Media specific gravity: minimum 0.45
Switch set point: 1
(Factory setting according to requirements)
Contact type: dry reed contact
Wet parts material: SS304, SS316, SS304+PTFE, SS316+ PTFE, PP, PVC
Contact capacity: 220VAC, 24VA, 1.0A
Shell material: aluminum alloy, explosion-proof type
Electrical interface: M20x1.5
Installation form: 2 inch threaded installation
Protection level: IP65
Explosion-proof form: Exi II CT4- CT6; Exd II BT4- BT6;

❖ Product Appearance



❖ Wiring Instructions

Please check the wiring diagram inside the instrument housing cover.



❖ Model Selection

Magnetic Float Level Switch										Selection
PL300SW	1	Side Mounted type								Structure Form
	2	Top Mounted type								
	3	Connecting type								
		A	SS304							Wetted Parts Material
		B	SS316							
		C	SS304 with liner PTFE							
		D	SS316 with liner PTFE							
		E	PP/ UPVC（ Applicable to 0.6 MPa or less ）							
		F	Others							
			A	Ordinary						Explosion Proof
			G	ExiaIICT1～T6 Intrinsically safe						
			B	ExdIIBT1～T6 Explosion proof						
				Br	Bracket					Process Connection
				F	Flange					
				T	Thread					
					X	Alarm Point				Customer specified
						L	Installation Height			Measuring Height (mm)
							ρ =	Medium density g/cm³		
PFLS	2	A	G	F50	2	2000	1.0			Example

For Example ：

A connecting rod float level switch, with a depth of 2000mm, the medium is water, and the density is 1. 0g/cm2, wetted material 304, 2 control points, intrinsically safe explosion-proof room temperature and pressure, installation method is flange DN50.

Model：PL300SW- 2AG-F50-2/2000/1. 0