

HuaTian

HPT-37

Introduction:

HPT-37 Floating Ball Level transmitter is composed of magnetic floating ball, measurement tube, signal unit, electronic unit, junction box and assembling parts. Generally, magnetic floating ball proportion is less than 0.5, so it can float on the liquid surface and move up and down along measurement tube. There is measurement element installed in tube. It can convert the measured liquid level signal to resistance signal proportional to liquid level changes under the influence of external magnetic force. In addition, it also converts electronic unit into 4-20mA or other standard signals to output. Widely used in all kinds of liquid level measurement, such as oil, water, sewage, such as acid, alkali liquid medium.

Features:

- Easy installation, simple structure
- Good corrosion resistance
- Reliable performance
- Can measure the liquid level in a pressure seal container

Applications:

- The oil industry, chemical industry, electric power.
- Hydraulic pressure system, Pneumatic system
- Energy and Water treatment system.
- Automation equipment
- Industrial process control

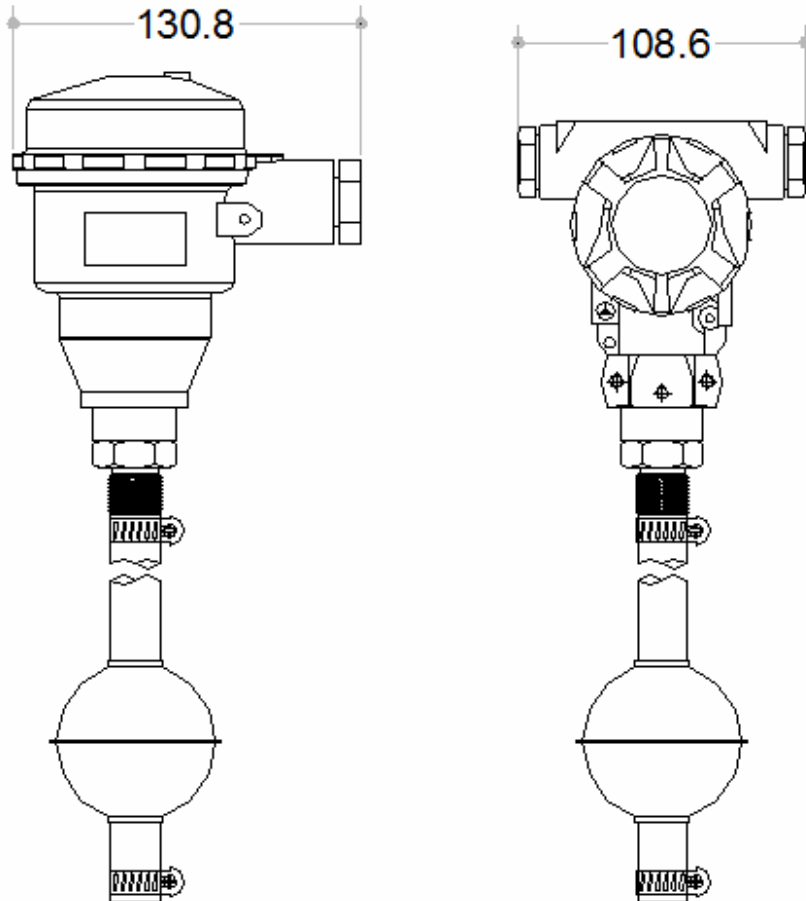


Specifications(Refer to 25°C)

Range (m)	0~60	Output signal	4~20mA
Medium density	$\geq 0.7\text{g/cm}^3$	Medium viscosity	$\leq 1.25\text{St}(1\text{St}=10^{-4}\text{m}^2/\text{S})$
Load resistance(Ω)	750	Working temperature($^{\circ}\text{C}$)	-40~60 $^{\circ}\text{C}$
Working voltage	12~36VDC	Outlet connector	M20*1.5 inner screw
The connecting flange	HG20592~20635-97 DN150 PN1.6、2.5MPa	Floating ball material	1Cr18Ni9、Teflon
protection grade	IP65	Weight	3500g

Thermal drift refer to 25°C output

Outline Drawing:



Electric Circuit:

