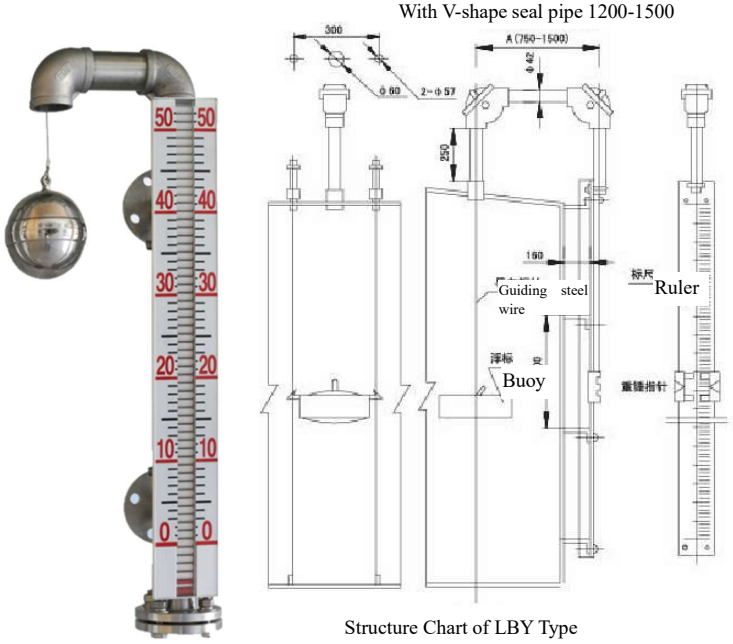
LBY buoy level meter

West Lake Bay

Product overview

The LBY buoy type level gauge is designed pursuant to the force-balance principle. When the liquid level is in a certain height, the weight of buoy is W, the weight of heavy bob pointer is W1, the buoyancy of the buoy submerged in the liquid is F, and the system friction force is f. In the equilibrium state: W-F-W1-f＝0. When the liquid level rises, the floating F increases, the W, W1 and f remain unchanged, the upper balance is destroyed and the heavy punch pointer slides down. The new balance will be established until the F force reduces to the original value. If the F force increases all the time, that's to say that the liquid level rises all the time, the pointer will glide all the time. Conversely, the liquid level will drop and the heavy bob pointer will rise to indicate the height of liquid level.

With V-shape seal pipe 1200-1500



Structure Chart of LBY Type

Product features

- Measuring range: Arbitrary selection within 0～20m;
- Indication accuracy: ±20mm;
- Operating pressure: Normal pressure or ±200mmH2O (with Type V sealing pipe);
- Temperature of working medium: -30～＋300℃;
- Density of working medium: ≥0.4g / cm^3;
- Installation perpendicularity of guide wire: ≤±5mm.

Product application

The LBY buoy type level gauge is a simple liquid level measurement instrument, applies to necessary low-cost level measurement for flat cone cover and vault container of groove, tank, oil field and oil depot where the corrosive medium is stored in the petrochemical system and water tower (water tank) of general enterprises and civil buildings so solve the difficulty in manually measuring the liquid level.

Product model selection

LBY	buoy level meter				
	Length *** (2000 indicates length: 2000mm)				
		Connecting flange U PN0.6 DN400 V PN0.6 DN350 N PN0.6 DN300 M others			
			Medium density *** (2.5 indicates 2.5g/cm3		
				Material R 304 S 321 T 316L U carbon steel X others	
					Distance of A *** (500 indicates distance of A=500mm)
LBY-					

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