

Product overview

The LBC in-built level controller is a level controller developed by automatic control of liquid level according to use requirements. It is characterized by automatic and precise control of liquid level and has such advantages as no manual operation needed and being stable and reliable. It can be used for automatic control for medium liquid level position of the equipment (including various towers, tanks, grooves, spherical vessels and boilers) in such industries as petroleum, chemical engineering, chemical fertilizer, rubber, medicine, ship, military, electric power and food.



Product features

- Measuring range: 300~6000mm;
- Operating temperature: -40~200°C;
- Control accuracy: $\leq \pm 10\text{mm}$;
- Medium density: $\geq 0.5\text{g/cm}^3$;
- Pressure rating: $\leq 22\text{MPa}$;
- Contact power 220V, 100mA;
- Simple structure. The level controller consists of body, float, flange and reed switch.

Operating principle

The liquid pushes the float, the magnet in the float drives the reed switch to suck in and control the intermediate relay, and then the intermediate relay pushes the contactor to control the feed motor to keep the liquid level within a certain range so as to achieve the purpose of automatic control.

Product model selection

LBC	Built-in type level controller							
	Nominal pressure *** (10 indicates nominal pressure: PN1.0Mpa)							
	Operating temperature L Low temperature -40°C~150°C W Normal temperature -20°C~150°C H High temperature 0°C~350°C							
	Connecting flange R DN100 based on the equivalent pressure standard S DN125 based on the equivalent pressure standard T DN150 based on the equivalent pressure standard X special							
	Material P PP V PVC R 304 S 321 T 316L X Others							
	Medium density *** (2.5 indicates medium density: 2.5g/cm ³)							
	Type A Relay signal B Analog signal (4~20Ma)							
	Control point A *** (200 indicates control point A=200mm with filling in as per actual control point quantity requirement)							
	Control point B *** (220 indicates control point B=220mm with filling in as per actual control point quantity requirement)							
	Control point C *** (250 indicates control point C=250mm with filling in as per actual control point quantity requirement)							
	Control point D *** (300 indicates control point D=300mm with filling in as per actual control point quantity requirement)							
LBC-	Explosion proofing I Ordinary type D Intrinsic safety type							