



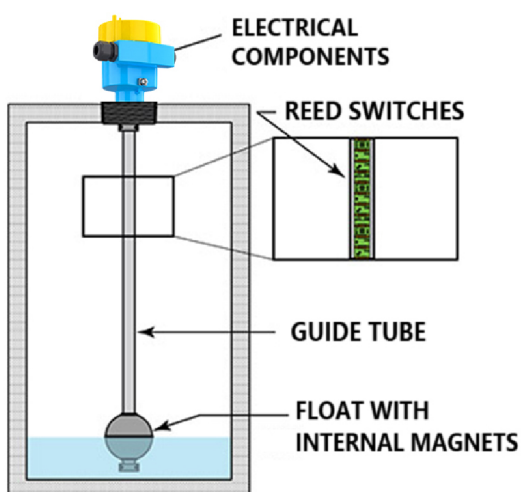
Float-11 Float Level Indicator

Overview

In Float-11 series products, providing high-accuracy, continuous level detection for almost all liquid media.

Principle

The Float-11 series provides high-accuracy continuous liquid level measurement based on Archimedes' buoyancy principle. As the liquid level changes, the float moves accordingly and magnetically actuates the reed switches, changing their status from open to closed. This causes the sensor resistance to vary linearly, which is then converted into a standard 4–20 mA DC output signal for remote monitoring and control.



Benefits

- High quality plastic reed switches as the key components, providing the best endurance and durability.
- LED display with strong brightness, can be configured in horizontal or upright,
- Convenient for observation under various conditions.
- Flameproof Enclosure (Ex db IIC T6 Gb) and Intrinsic Safety (Ex ia IIC T6 Ga) are approved.
- Unique sealing techniques, Ingress Protection rating reaches IP66/IP67.
- Material for wetted parts can be selected from 304, 316L for varied fluid environments.

Float-11A



Float-11P



Features	Standard Float Level Indicator is made of 304 or 316L stainless steel.	Coated Float Level Indicator is coated with unique coating technique to make sure the float slides up and down smoothly along the guide tube.
Applications	Especially suitable for hydrology, simple liquid level.	Offers high resistance to corrosion against a large variety of corrosive liquids, suitable for wide variety of different applications in chemical industry.
Measurement Medium	Liquids with density 0.5g/cm^3	Strongly corrosive liquids with density 0.5g/cm^3
Float/Guide tube/ Process connection	304/ 316L	ECTFE / PTFE
Process Temperature	Ambient temperature: $-20 \sim 120^\circ\text{C}$	
Range	300 ~ 6000mm	
Process Pressure	$\leq 25\text{bar}$	
Process Connection	Flange/Thread	
Power supply	18 ~ 36VDC	
Signal Output	4 ~ 20mA	
Ingress Protection	Flameproof Enclosure: Ex d IIC T6 Gb; Intrinsic Safety: Ex ia IIC T6 Ga	