



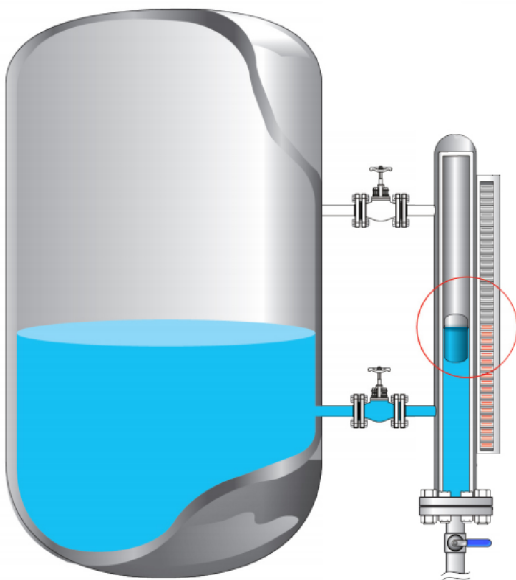
## Flap-11 Magnetic Level Indicator

### Overview

Jiwei's Flap-11 series features proprietary innovations in design and manufacturing, ensuring high reliability and overcoming common issues in similar products. It has obtained seven national invention and utility model patents.

### Principle

A bypass tube mounted on the vessel contains a float with a magnet. As the liquid level changes, the float moves, flipping magnetic flags outside the tube to show the level—clearly visible with red/white color contrast and no direct contact needed.

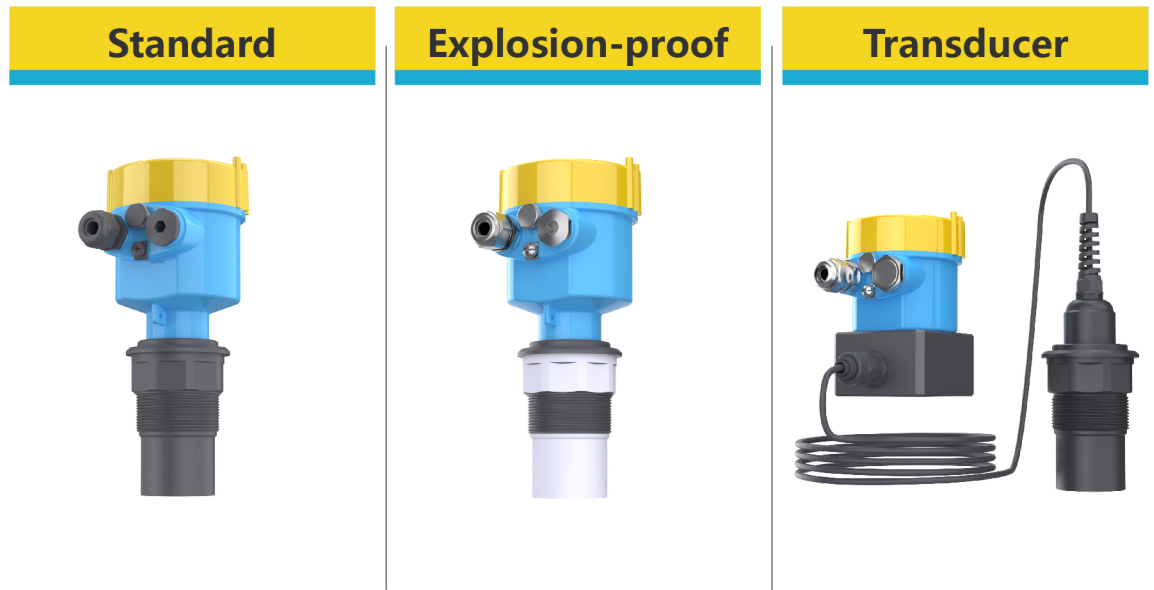


### Benefits

- Real-time level indication without the need for external power.
- Non-contact magnetic display, resistant to fouling or buildup.
- Optional magnetic switches and transmitters are SIL2/3 certified and explosion-proof, with IP65 or IP66/IP67 protection.

\*Patents:

ZL 2021 20818524.7, ZL201721092126.1, ZL201721282291.3, ZL 201821348285.8, 201621028672.4, 201621183730.0, 201621192459.7



Applications	<ul style="list-style-type: none"> <li>Uses non-contact measurement, ideal for large tanks and ponds. Easy to install and maintain, with fast, accurate readings for industries like wastewater, chemicals, power, and marine.</li> </ul>		
Environment	Open tanks in safe areas	Open tanks in hazardous (explosive) areas	Hazardous conditions requiring remote monitoring
Structure	Integrated design		Transducer model, customizable cable length over 10m
Material	Housing: Aluminum alloy		Transducer: ABS, PVDF
Process Connection	Flange, threaded		
Process Temp	-20 ~ 80°C		
Process Pressure	Atmospheric pressure		
Signal Output	Two-wire, four-wire, RS-485, and relay outputs optional		
Range	5m, 10m, 15m		
Qualifications & Certifications	<ul style="list-style-type: none"> <li>•CE: LVD certificate, EMC certificate</li> <li>•Ingress Protection: IP66/IP67</li> </ul>	<ul style="list-style-type: none"> <li>•Explosion Protection: Explosion-Proof: Ex d IIC T6 Gb</li> <li>•CE: LVD certificate, EMC certificate</li> <li>•Ingress Protection: IP66/IP67</li> </ul>	<ul style="list-style-type: none"> <li>•Explosion Protection: Explosion-Proof: Ex d IIC T6 Gb</li> <li>•CE: LVD certificate, EMC certificate</li> <li>•Ingress Protection: Transducer IP68 Transmitter IP65</li> </ul>