



Point Level Switch for Liquid

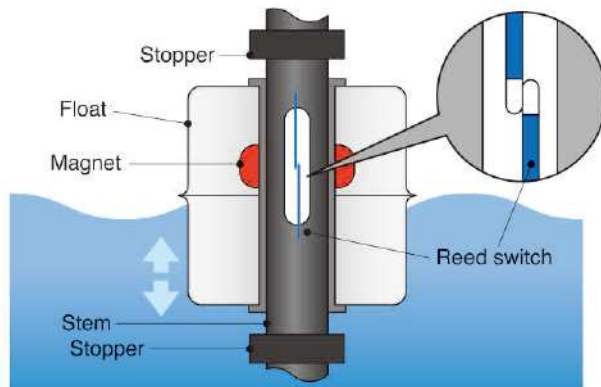
# Float Type Level Switch

MFS series

## Features

- Max. 4 points detectable by one unit.
- Applicable for the corrosion-resistant resins (PVC, PP etc.).
- The reed switch not easily influenced by temperature, humidity, gas etc. is used as standard.
- Applicable in the site where explosion-proof type (d2G4) is required.

## Operating principle



A float with a built-in magnet moves up and down according to the liquid level, which turns the reed switch built into the system on and off.

## Applications

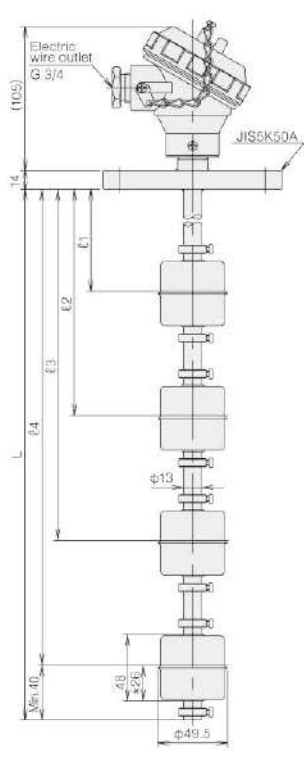
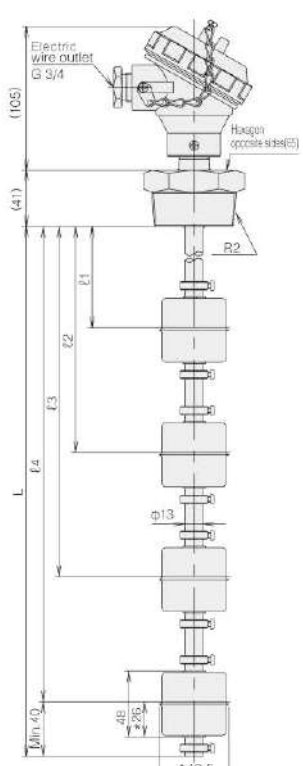
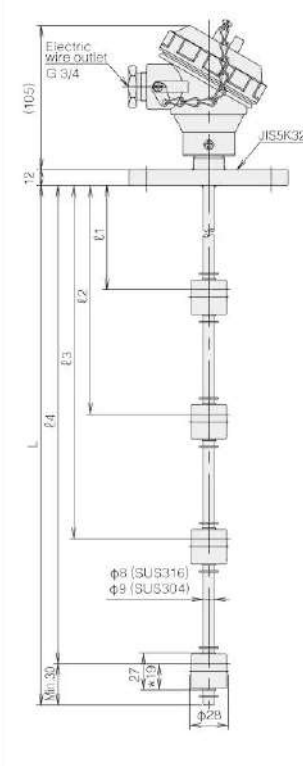


Liquid level detection of water, oil and various chemical solutions



Liquid level control in tanks and pits (Pump control, upper and lower limit alarm)

Specification / Dimension

Model		MFS-F-T-□N	MFS-P-T-□N	MFS-F-T-□
Dimension				
Terminal box	Material	ADC		
	Enclosure	IP65		
	Lead outlet	G3/4, G1/2 (Option)		
Connection	Size	JIS5K50A	R2	JIS5K32A
	Material	SUS304 / SUS316		
Float	Dimension	φ49.5 × H48		φ28 × H27
	Material	SUS316L		SUS304 / SUS316L
	Liquid specific gravity	0.65 or higher		0.8 or higher
	Pressure resistance (Normal temp)	1MPa (Static pressure)		
Stem	Dimension	φ13		φ8
	Material	SUS304 / SUS316		
Electrical Rating	Contact capacity	DC50W / AC70VA		
	Max. switching voltage	DC350V / AC300V		
	Max. switching current	DC0.7A / AC0.5A		
Explosion proof	Ex-proof enclosure	—		
	Ex-proof code	—		
Others	Max. L length	2000mm		600mm
	Max. detectable points	4		
	Applicable temp. (atmospheric pressure)	-10 ~ +100°C (no freezing)		

## Specification / Dimension

Model		MFS-P-T-□	MFS-PV-T-□NP	LSE-□F-□L(□)
Dimension		<p>The drawings show three models of flameproof enclosures. The MFS-P-T-□ model has a total height of 106mm and a stem diameter of φ8. The MFS-PV-T-□NP model has a total height of 106mm and a stem diameter of φ22. The LSE-□F-□L(□) model has a maximum height of 3900mm and a stem diameter of φ14. All models feature an electric wire outlet G 3/4 and a terminal box with a contact capacity of DC50W / AC70VA.</p>		
		ADC		AC4C-T6
		IP65		Flameproof enclosure
		G3/4, G1/2 (Option)		G3/4
Terminal box	Material	ADC		AC4C-T6
	Enclosure	IP65		Flameproof enclosure
Connection	Lead outlet	G3/4, G1/2 (Option)		G3/4
	Size	R1 1/4	JIS5K50AFF equivalent	JIS5K50A
Float	Material	SUS304 / SUS316	PVC	SUS304
	Dimension	φ28 × H27	φ48 × H60	φ40 × H50
	Liquid specific gravity	0.8 or higher	0.85 or higher	0.8 or higher
	Pressure resistance (Normal temp)	1MPa (Static pressure)	0.2MPa (Static pressure)	0.5MPa (Static pressure)
Stem	Dimension	φ8	φ22	φ14
	Material	SUS304 / SUS316	PVC	SUS304TP
Electrical Rating	Contact capacity	DC50W / AC70VA		50VA AC/DC
	Max. switching voltage	DC350V / AC300V		Max. voltage 220V AC/DC
	Max. switching current	DC0.7A / AC0.5A		Max. current 1A AC/DC
Explosion proof	Ex-proof enclosure	—		Flameproof enclosure
	Ex-proof code	—		d2G4
Others	Max. L length	600mm	2000mm	3900mm
	Max. detectable points	4		5
	Applicable temp. (atmospheric pressure)	-10 ~ +100°C (no freezing)	-10 ~ +50°C (no freezing)	Max. 80°C (Liquid)

★ LSE (Flameproof enclosure) is Wako Keisoku affiliated product.

Specification / Dimension

Model		MFS-P-□	MFS-S-□	MFS-LS-□P-L
Dimension				
Terminal box	Material	—		
	Enclosure	—		
	Lead outlet	—		
Connection	Size	R1 1/4	G1/8	G1/8
	Material	SUS304 / SUS316		
Float	Dimension	φ28 × H27		
	Material	SUS304 / SUS316L		
	Liquid specific gravity	0.8 or higher		
	Pressure resistance (Normal temp)	1MPa (Static pressure)		
Stem	Dimension	φ8		
	Material	SUS304 / SUS316		
Electrical Rating	Contact capacity	DC50W / AC70VA		
	Max. switching voltage	DC350V / AC300V		
	Max. switching current	DC0.7A / AC0.5A		
Explosion proof	Ex-proof enclosure	—		
	Ex-proof code	—		
Others	Max. L length	600mm		300mm
	Max. detectable points	4		2
	Applicable temp. (atmospheric pressure)	-10 ~ +100°C (no freezing)		

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