

# LS – Level Switch Side Mounted

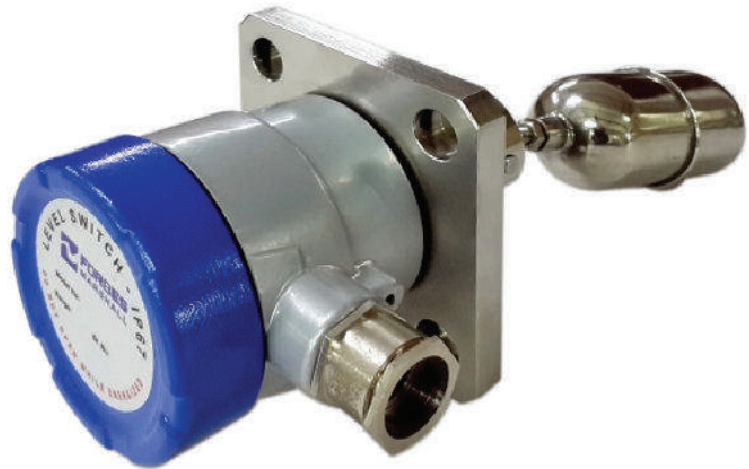
LS Series Side Mounted Level Switches have been designed for measurement of the level of liquids. The compact design helps in easy installation and commissioning. The die cast enclosure is Ingress protected to IP67. These switches can be deployed in most process media.

## Features

- Ingress protected to IP67
- Rigid and easy installation
- High temperature version available
- Point level switching (high/low)
- Adjustable differential version available

## Applications

- Power plants
- Chemicals industries
- Water treatment plant
- Hydro-pneumatic tanks
- Petrochemical
- Ship building industry
- Offshore oil rigs



## Standard Specifications

Enclosure	Pressure die-cast aluminum
Process connection	Flanged / Threaded
Material of wetted parts	AISI 316SS
Switch type	1 SPDT micro switch
Switch rating	5A/250VAC
Switching differential	Fixed 3~30mm (max) Adjustable between 40...250mm (optional)
Mounting	Side (standard)/top (optional)
Cable entry	PG 13.5 single compression gland
Float diameter	50mm at welded seam
Ingress protection	IP67
Maximum operating temperature	Upto 120°C (standard) High temperature mode upto 350°C (optional) max.
operating pressure	20Bar
Minimum specific gravity	0.6 depending upon float material and dimension
Insertion depth	180 mm (minimum)



## Ordering Codes

<b>1. Model</b>	<b>LS</b>	<b>5. Float dimension</b>	<b>1</b>
LS Side mounted level switch LH High temperature level switch		1 50 dia. / 120 length 2 50 dia. / 150 length	
<b>2. Process Connection</b>	<b>B</b>	<b>6. Enclosure</b>	<b>1</b>
B 92 mm PCD square flange A 92 mm PCD round flange C 92 mm PCD Sq. flange, forged K 1" NPT (M) M 1" BSP (M) D 1" RF 150# as per ANSI B 16.5 F 2" RF 150# as per ANSI B 16.5 H 3" RF 150# as per ANSI B 16.5 I 3" RF 300# as per ANSI B 16.5		1 Die cast aluminum WP LM 24 2 Die cast aluminum, flame proof, IP67, GRIIA, IIB 3 Die cast aluminum , explosion proof, IP67, GRIIC	
<b>3. Micro Switch</b>		<b>7. Float, Stem and Connection MOC</b>	
A. 1 SPDT, general purpose 5A-15A, 250 VAC B. 2 SPDT, general purpose 5A-15A, 250 VAC	1 SS316 2 PVDF		
<b>4. Cable Entry</b>	<b>E</b>	<b>8. Optional Features</b>	<b>XXXX</b>
A 3/4 ET single compression gland b 3/4 et double compression gland c 1/2"npt single compression gland d 1/2"npt double compression gland e PG13.5 single compression gland f M20x1.5p single compression gland GM20x1.5p single compression gland		Calibration and test certificate (standard) SS304 tag plate SS316 tag plate Material test certificate 3.1	

## Ordering Example (standard)

**LSB1E111-0000** side mounted level switch, 92 mm PCD square flange connection, 1 SPDT, general purpose 5A-15A, 250 VAC, PG 13.5 plastic gland, 50 dia. / 120 length float, Die cast aluminum weatherproof LM24, SS316 float, stem and connection

## Notes

For any special requirements like other insertion lengths, or special connections, please contact Forbes Marshall  
Contact Forbes Marshall for further details



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