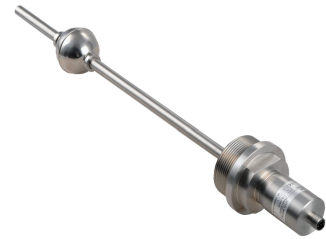


**LS300 – Electrical Float Level Switch**



- ▶ Low cost
- ▶ Container inner pressure has no impact on measuring
- ▶ Multiple outputs selectable
- ▶ 2 independent switching outputs programmable
- ▶ NC / NO programmable
- ▶ Stainless steel wetted parts
- ▶ Measuring range up to 2m



With liquid level fluctuation, a magnetic float triggers the switch inside tube, which changes the number of connected resistors. This changing of resistance is converted to standard electrical signal output. Metal housing, teach-in mode setting, NO/NC programmable, PNP/NPN selectable, Multiple process connections.

**Specifications**

<b>Measuring range (Rod length)</b>	250mm/ 500mm/ 750mm/1000mm/1500mm
	2000mm/300mm/4000mm/ others customizable
<b>Applicable Medium</b>	Corrosive liquids compatible with 304(316/PTFE) stainless steel
<b>Hysteresis</b>	2% of F.S.
<b>Pressure Rating</b>	20bar
<b>Medium Density</b>	≥0.7g/cm <sup>3</sup>
<b>Power Supply</b>	10...36Vdc
<b>Current Consumption</b>	≤20mA (power supply 24Vdc, no-load)
<b>Switching Output</b>	
Output	Push-pull(compatible with PNP / NPN), NC / NO configurable
S1, S2 Output Current	<500mA
Voltage Drop	<1V
Load RA(Ω)	RA≤(Us-10)V/0.02A
Linearity	≤±1.5% of F.S.
<b>Wiring Protection</b>	Reverse polarity and short-circuit
<b>Display</b>	Switching state / auxiliary set - 2 yellow LEDs
<b>Setting</b>	Teach-in mode
<b>Temperature</b>	
Operating	-20...85°C
Medium	-20...80°C
Storage	-20...100°C
<b>Materials</b>	
Electrical Head/Housing	304 stainless steel (model CSS)
Process Connection /Tube/Float	304 stainless steel (316 stainless steel or PTEE customizable)
<b>Protection Class</b>	IP67
<b>Electrical Connection</b>	M12×1 plug

**Applications**

- ▶ Food/pharmaceutical industry
- ▶ Power plant
- ▶ Petrochemical
- ▶ Water treatment
- ▶ Boiler
- ▶ Papermaking

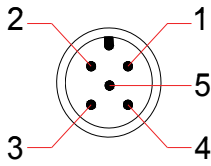
**Technical Data**

Rod Length L (mm)	250	500	750	1000	1500	2000
Valid Range L1(mm)	190	440	690	940	1440	1940
Resolution(mm)	8	8	8	15	15	15

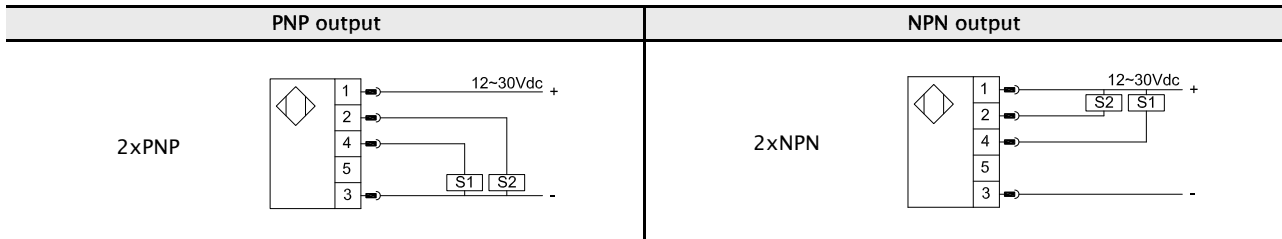
LEVEL



### Wiring



Signal	Plug	Cable
U+	1	Brown
U-	3	Blue
Switching output S1	4	Black
Switching output S2	2	White



### Order Code

- LS :** Electrical float level switch
- 300 :** Series#
- 2P :** 2 PNP switching outputs
- 2N :** 2 NPN switching outputs
- F :** Flange connection
- G :** G2 male thread
- N :** 2"NPT male thread

LS	300/	2P	F	S	1000	S	/
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- S :** M12X1 5-pin plug
- MXXXX :** Rod length(metric system) L=xxxx mm
- IXXXX :** Rod length(english system) L=xxxx inch
- Note : M1000 means that the rod length is 1000mm with the valid range 940mm.

#### Float shape

- S :** Ball
- C :** Cylinder

#### Others

### Sepecial Order on Request

- ▶ Electrical and / or process connection
- ▶ Float material/size
- ▶ Rod material/length