

## Submersible Level Sensor XY-LS100

### Typical Feature

- With Stainless steel 304 shell and 316L diaphragm
- With 4-Digits LED Display.
- Measurement Range 0~100 Meter
- Accuracy level: 0.25% FS; 0.5%FS
- Power Supply 9~32VDC, Typical 24VDC
- Operating temperature -20°C ~ 80°C
- With precision temperature compensation
- With protection for Anti-Surge, Over-Voltage, Over-Current and Reversed Polarity



### Brief Introduction











XY-LS100 is a Submersible Level Sensor, the liquid level sensor is based on the principle of hydrostatics to measure the level or water depth, it has high-performance isolated sensitive components and precision temperature compensation technology to converts the static pressure into electrical signal, then converts these signals to standard electrical signal output.

They have excellent circuit design to suitable liquid level measurement, such as Anti-Surge, Over-Voltage, Over-Current and Reversed Polarity Protection; with Anti-Electromagnetic Interference function to ensure the output single stably in complex electromagnetic environment.

The XY-LS100 Immersed Liquid transmitter have stainless steel 304 shell and IP68 protection to against the harsh service environment, at the same time we test its overload and shock resistance performance in critical test procedure.

It can be widely powered by 9-32VDC power supply and output 4-20mA and 0-5VDC single is optional. Accuracy  $\pm 0.25\%FS$ ;  $\pm 0.5\%FS$ . Can be used to measure liquid level for Reservoirs, river, sewage treatment, urban water supply, water tank, ocean level and others field need liquid level measurement.

### Suggested Applications

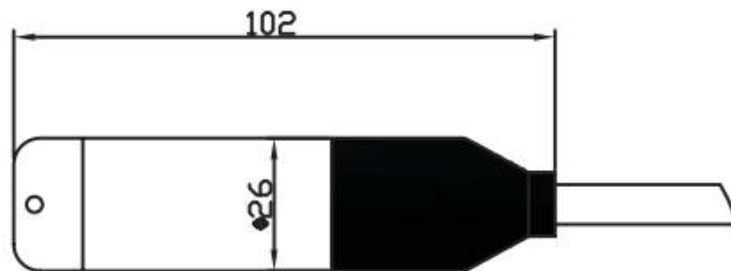
-  Fire protection water net
-  Heating system
-  Marine liquid level
-  Sewage treatment
-  Smart water management system
-  Medical equipment
-  Reservoirs and Ocean level
-  Civil pool and Water tank
-  Analysis level of river, lake, and pool
-  Urban water supply

**More details for XY-LS100, please contact us.**

Specification

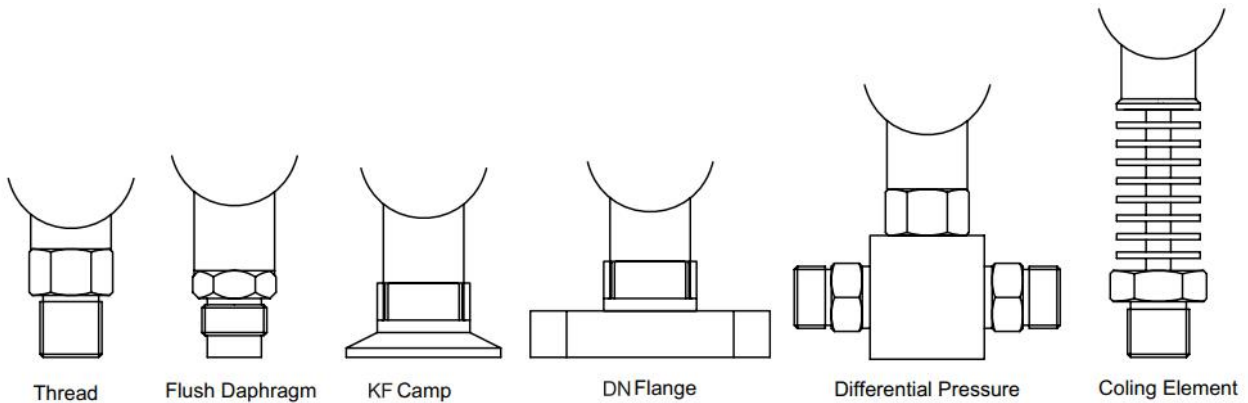
<b>Model</b>	<b>XY-LS100</b>
Range	0~1…2…5…8…10…100M H <sub>2</sub> O
Overload Capacity	200%
Measurement Medium	Oil or other Liquid with Compatibility of SS 304 or 316
Supporting	2088 Industrial shell
Accuracy Level	0.25% FS;0.5% FS
Long-Term Stability/Year	Typical: ±0.1% FS;
Zero Temperature drift	Typical: ±0.02%FS/°C; Maximum ±0.05%FS/°C
Sensitivity Temperature drift	Typical: ±0.02%FS/°C; Maximum ±0.05%FS/°C
Output	4-20mA; Optional 0-5VDC
Transmission Distance	≥1KM(supply 24V)
Electric protection	Reverse, Excess Voltage, and Anti-Lightning Protection
Display	4 digits LED
Operating temperature	-20~85°C
Compensation	-20~70°C
Power Supply	9-32 VDC (Typical 24V)
Protection Grade	IP68

Dimension(mm)



**Input Type**

Mechanical Connection(mm)



## How To Order

XY	LG	D	I	1M	1	P2	J	M3	B1	T1	L									
	Category	Type	Connection	Range	Accuracy	Power	Output	Thread	Electrical Connection	Medium Temperature	Additional									
LG	Liquid Gauge	D	Voltage Output	None	[X.M] (0-X Meter)	P0	Battery	R	RS485	M1	M20*1.5	B	Cable Outlet	T1	-5~40°C	LC	LCD Display			
		R	RS485 Output	P		Diaphragm Seals	1	0.40%	P2	24V	A	4-20mA	M2	G1/4	C	Circular Connector	T2	-20~80°C	LE	LED Display
		270G	Wireless GPRS	DP		Differential Pressure	2	0.20%	P3	12-28V	V2	0-5V	M3	G1/2	E	IP 68 Waterproof Cable	T3	-20~65°C	I	Explosion-Proof
		270L	Wireless LORA	KF		Clamp	3	0.10%	P4	380V			M4	1/2NPT	CC	Customized	IT9	Customized		
		270N	Wireless NB-IoT	DN		Flange	4	0.50%	P5	380V			M5	1/4NPT						
		300	Submersible	I		Explosion-Proof Shell	5	0.25%	P6	12V			M6	Input						
LS	Liquid Sensor	200	Lightning Protection	9999	Customized	9	Customized	P9	Customized											
		500	Corrosive																	
		600	Mounted																	

If you may not find right information in this form, Please contact us to get future details

### Shanghai XuYan Precision Technology Co., Ltd.

**Address:** No. 969, YunHan Road Pudong District Shanghai City China

**Tel:** +86 21 59241315

**Email:** sales@xvyanprecision.com

**Website:** [www.xvyanprecision.com](http://www.xvyanprecision.com)

**Product Manager:** Tyler Tou

**Cell:** +86 189 1797 0680

**Email:** ttao@Xuyanpercision.com