

HYDROSTATIC LEVEL SENSOR LS260-M2



Features

- Added weight helps hold transmitter in place
- The submersible Level Transmitter is designed for difficult level sensing applications where sludge, slurry, or turbulence may be present.
- High performance diffusion silicon piezoresistive sensor
- Probe with submersible measurement, simple and convenient installation
- Multiple protection structure design, high protection capacity
- Various types, suitable for different industrial fields
- The cable construction for aggressive media, water and oil proof.
- Use anti-corrosive stainless steel material, suitable for a variety of conditions
- High precision and excellent long term stability

Technical Data

Measuring range : 0...2/5/10/15/20/25/30...100 m
Cable length : 2...100m (customize)
Resolution : 0.001 m (1 mm)
Accuracy : $\pm 0.5\%$ of full scale
Medium temperature : $-30...+65^{\circ}\text{C}$
Overload pressure : 200% of full scale
Long stability : $\leq \pm 0.2\%$ of full scale/year
Zero Temperature drift : $\pm 0.03\%$ of full scale/ $^{\circ}\text{C}$
Signal output : 4...20mA (2-wire), 0...10V (3-wire), RS485
Power supply : 12...30 Vdc
Probe material : 316L stainless steel
Cable material : polyurethane (PUR)
Dimension : see on page 2
Cable diameter : $\varnothing 7$ mm
Weight : approx. 1.4 Kg
Protection class : IP68

Application



Sink water level



Fire and tank water level



Reservoir and level



Groundwater level

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Omega Measuring Instrument Co., Ltd.

Tel : 02-105-4676

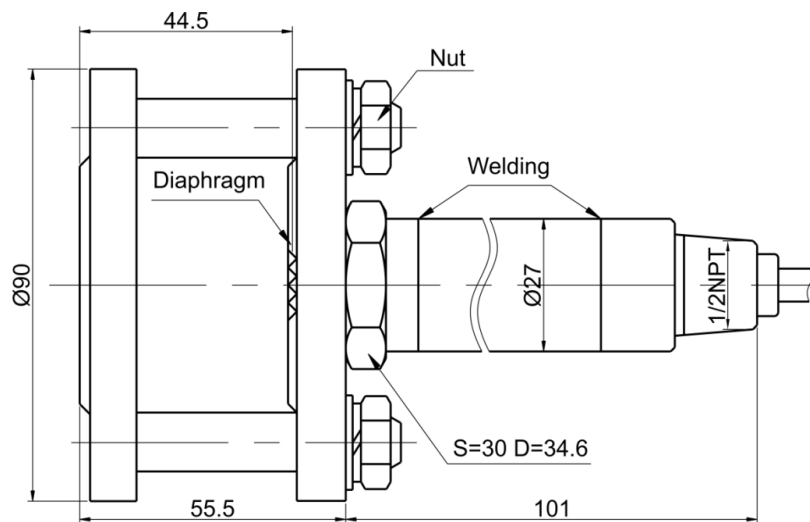
Fax : 02-903-0080 ext. 6867

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Line : @omith

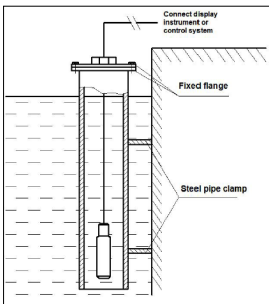
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Drawing (Dimension)

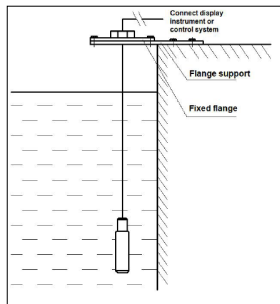


unit : millimeter

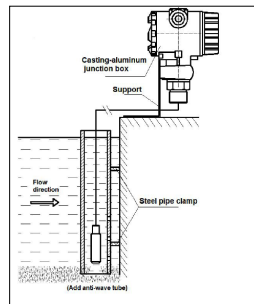
Installation guide



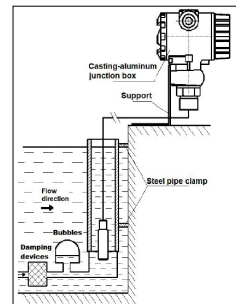
- Installation of level sensor with protection pipe
- The wave of liquid will not affect to sensor



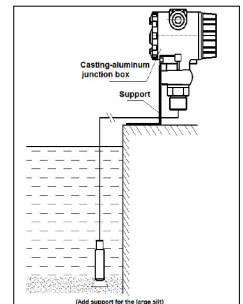
- Installation of level sensor with flange support
- There is for wide reservoir



- When the level sensor installs in flowing liquid
- There will be installed a protection pipe
- need to open a hole at high and low position of pipe for allowing the liquid to enter the pipe easily



- When the level sensor installs with large fluctuations
- It is recommended to add damping devices as shown in the figure to reduce the impact of fluctuations on liquid level measurement,



- In the liquid level measurement with large silt
- it is necessary to install the mounting bracket to prevent the silt from blocking the pressure hole and causing test errors

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LS260-M2

Ordering code

Model : LS260-M2-xx-x-Lxx		
xx : level range		
5 : range 0...5 m		
10 : range 0...10 m		
15 : range 0...15 m		
20 : range 0...20 m		
xx : customize (maximum 100 m)		
x : Signal output		
A : 4...20mA (2-wire)		
V : 0...10V (3-wire)		
R : RS-485		
Lxx : Cable length		
L05 : 5 m		
L10 : 10 m		
L15 : 15 m		
Lxx : customize (maximum 100 m)		

Example : LS260-M2-20-A-L15

Level sensor range 0...20 m, Signal output 4-20 mA (2-wire), Cable length 15 m

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Accessories for LS260-M2

These are necessary equipments that using with products and increase efficiency.

T904-FSVA3 : The display indicator for monitoring a sensor. Input signal is universal analog signal. Monitoring function for max. and min. display value function, display cycle delay function, Zero function, High display correction function, Current output scale function.



DA-750 : The **large display indicator** for monitoring a sensor. The indicator has a big display, 7 inches and body material is **aluminium**.



DSS-750 : The **large display indicator** for monitoring a sensor. The indicator has a big display, 7 inches and body material is **stainless steel**.



AR200 : The **2 channel data logger**. 2 universal measuring inputs not electrically isolated (thermoresistance, thermocouple. saving data in a standard text file stored in the recorder's internal memory, SD card USB memory (memory stick) in FAT system and analogue)



AR654 : The **4 channel data logger**. 4 universal measuring inputs not electrically isolated (thermoresistance, thermocouple. saving data in a standard text file stored in the recorder's internal memory, SD card USB memory (memory stick) in FAT system and analogue)



AR207 : The **8 channel data logger**. 8 universal measuring inputs not electrically isolated (thermoresistance, thermocouple. saving data in a standard text file stored in the recorder's internal memory, SD card USB memory (memory stick) in FAT system and analogue)



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