

## HYDROSTATIC LEVEL SENSOR LS260



### Features

- 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 :**  $-10...+65^{\circ}\text{C}$

**Overload pressure :** 150% of full scale

**Long stability :**  $\leq \pm 0.2\%$  of full scale/year

**Zero Temperature drift :**  $\pm 0.3\%$  of full scale/ $10^{\circ}\text{C}$

**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)

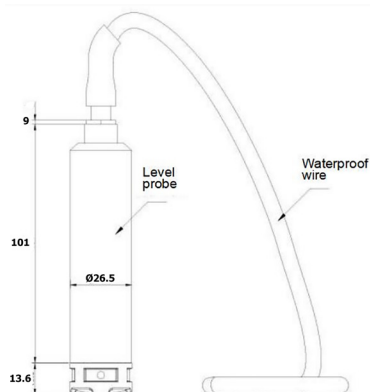
**Dimension :**  $\varnothing 26.5 \times 123.6$  mm

**Cable diameter :**  $\varnothing 7$  mm

**Weight :** 350g

**Protection class :** IP68

### Drawing



unit : millimeter

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**Omega Measuring Instrument Co., Ltd.**

Tel : 02-105-4676

Fax : 02-903-0080 ext. 6867

Email : [info@omi.co.th](mailto:info@omi.co.th)

Line : @omith

### Application



Sink water level



Fire and tank water level



Reservoir and level



Groundwater level

## HYDROSTATIC LEVEL SENSOR LS260

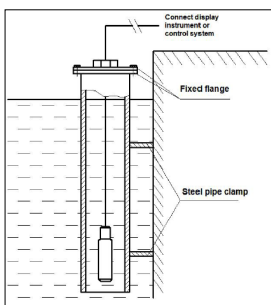
### Ordering code

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

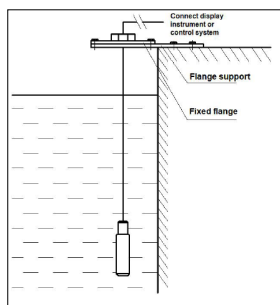
### Example : LS260-20-A-L15

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

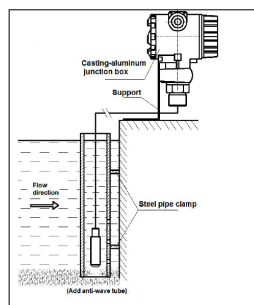
### • Installation guide



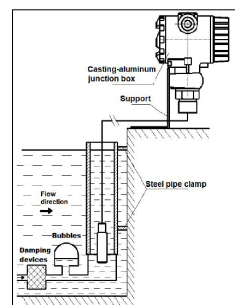
- Installation of level sensor with protection pipe
- The wave of liquid will not affect to sensor



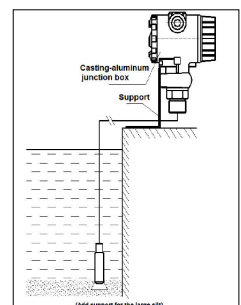
- Installation of level sensor with flange support
- There is for wide reservoir



- When the level sensor installs in flowing liquid
- There will be installed a protection pipe
- The 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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## HYDROSTATIC LEVEL SENSOR LS260

### Accessories for LS260

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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