

## HYDROSTATIC LEVEL SENSOR LS260



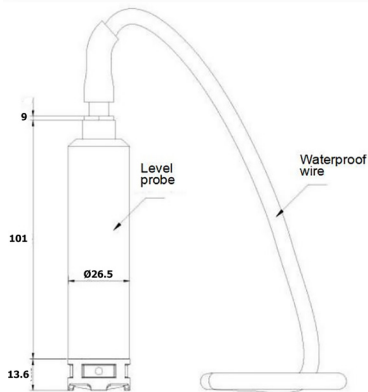
### Features

- 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 :** ±0.5% of full scale  
**Medium temperature :** -10...+65°C  
**Overload pressure :** 150% of full scale  
**Long stability :** ≤ ±0.2% of full scale/year  
**Zero Temperature drift :** ±0.3% of full scale/10°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 :** Ø26.5 x 123.6 mm  
**Cable diameter :** Ø7 mm  
**Weight :** 350g  
**Protection class :** IP68

### Drawing



unit : millimeter

### www.omi.co.th

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### Application



Sink water level



Fire and tank water level



Reservoir and level



Groundwater level

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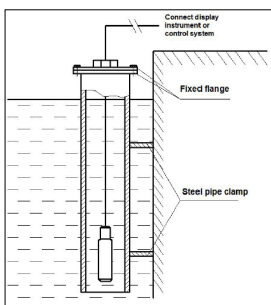
### Ordering code

|                                       |  |
|---------------------------------------|--|
| <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                |  |

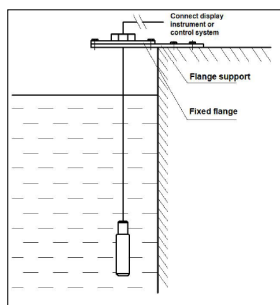
### Example : LS260-20-A-L15

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

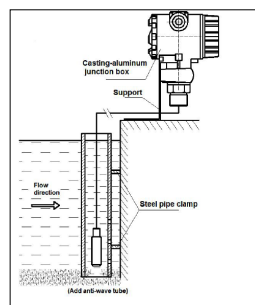
### • Installation guide



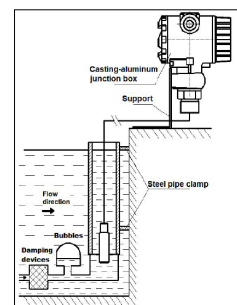
- Installation of level sensor with protection pipe
- The wave of liquid will not affect to sensor



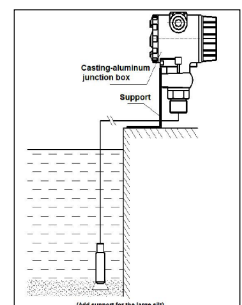
- Installation of level sensor with flange support
- There is for wide reservoir



- When the level sensor installs in flowing liquid
- There will be installed a protection pipe
- It 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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### 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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