



BANNING LEVEL TRANSMITTER LT260



BANNING

DESCRIPTION

LT260 is a high-performance diffused silicon piezoresistive pressure sensor as a measuring element, which accurately measures the static pressure of the liquid proportional to the liquid level depth, and converts it into a standard signal output through a signal conditioning circuit to establish the linearity of the output signal and the liquid depth. Correspondence relationship to achieve the measurement of liquid depth.

CHARACTERISTICS

- Diffusion silicon piezoresistive sensor
- Probe input measurement method
- Digital circuit compensation
- Multiple protective structure design
- Strong anti-interference ability
- Moisture and vibration resistant
- Selection of anti-corrosion stainless steel material, suitable for many occasions

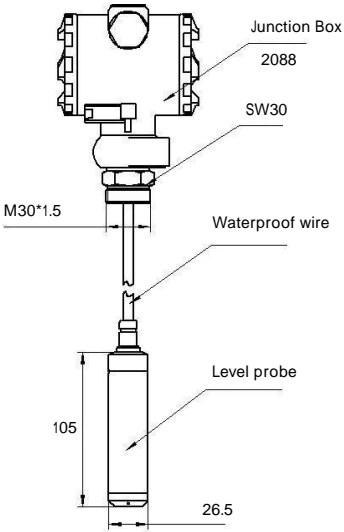
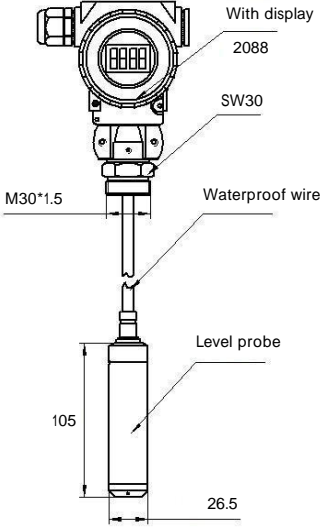
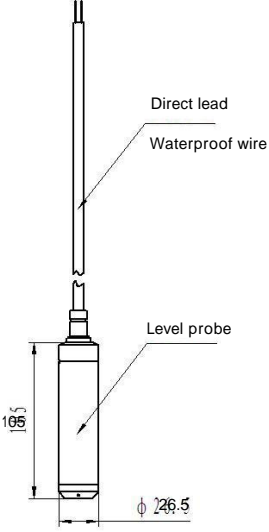
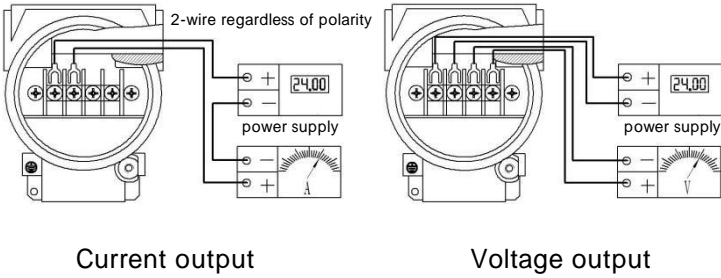
PREFORMANCE

Parameter	LT260
Scale range	0m ~ 0.5m...200m H ₂ O
Power supply	24V、12V
Output signal	4 ~ 20mA、1 ~ 5V、0 ~ 5V
Working temperature	-20 ~ 85
Medium temperature	-20 ~ 100
Storage temperature	-40 ~ 125
Compensation temperature	0m ~ 10m H ₂ O : 0 ~ 60 ; 10m ~ 200m H ₂ O : -10 ~ 70
Zero temperature drift	±1.5%FS (compensation temperature range)
Sensitivity drift	±1.5%FS (compensation temperature range)
Pressure overload	150%FS
Mechanical vibration	20g (20 ~ 5000Hz)
Impact	100g (11ms)
Comprehensive accuracy	0.5 grade
Insulation resistance	200M /250VDC
Response time	1ms (Rise to 90% FS)
Long-term stability	±0.2%FS/year
Protection grade	IP68
Material	Low copper aluminum alloy junction box; liquid level probe all stainless steel; cable material polyurethane lead
Medium compatible	Various media compatible with 316L stainless steel

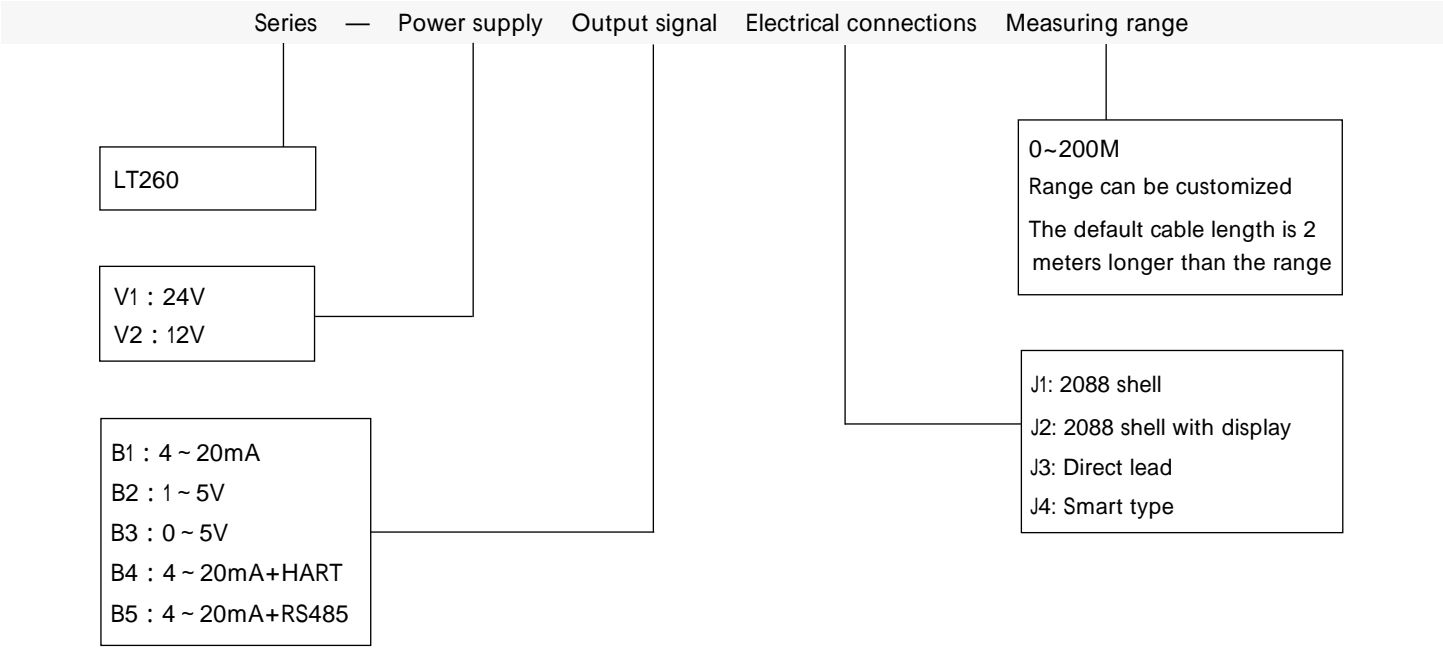
APPLICATION

- Hydrostatic liquid level, liquid irrigation, sewage, industrial water, ponds, wells, rivers, seawater, lakes ...
- It can measure the liquid height from the end of the transmitter to the liquid level, and is suitable for liquid level measurement and control in the fields of petroleum, chemical industry, power plants, urban water supply and hydrological exploration.

DIMENSIONS

Type	J1 : 2088	J2 : 2088 With display	J3 : Direct lead
Outline Unit : mm			
Wiring	 <div>Current output</div> <div>Voltage output</div>		<div>Red wiring: power +</div> <div>Green wiring: current output</div> <div>Red wiring: power +</div> <div>Yellow wiring: voltage output</div> <div>Green wiring: ground line</div>

NOMENCLATURE



FOR EXAMPLE : LT260-V1B130M

It means series LT260, power supply is 24V, output signal is 4 ~ 20mA, range is 0 ~ 30 meter, cable length is 30 meter ;

NOTE

- The tested medium should be compatible with the materials in contact with the product. At the same time, the density of the tested medium in the measurement state (except water) should be indicated.
- The product adopts polyurethane wire with strong abrasion resistance. The length is determined according to the measurement range and corresponds to the depth of the liquid level to be measured. Please specify otherwise if special.
- If there are special requirements for product appearance and performance parameters, our company can provide customization.

DISCLAIMER

⚠ Warning

LIFE OR PROPERTY RISK

- Please ensure that this product has been designed as part of whole system and already considered related risks, make sure the product has the correct ratings and is designed based on the entire system. It must not be used when applications related to serious life or property damage risks.

Failure to follow this instruction can result in death or serious injury.

⚠ Warning

PERSONAL INJURY

- DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to follow this instruction can result in death or serious injury.

⚠ Warning

MISUSE OF DOCUMENTATION

- The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- Complete installation, operation, and maintenance information is provided in the instructions supplied with each product.

Failure to follow this instruction can result in death or serious injury.

Warranty/Remedy

Banning warrants goods of its manufacture as being free of defective materials and faulty workmanship during the applicable warranty period. Banning's standard product warranty applies unless agreed to otherwise by Banning in writing; please refer to your order acknowledgment or consult your local sales office for specific warranty details. If warranted goods are returned to Banning during the period of coverage, Banning will repair or replace, at its option, without charge those items that Banning, in its sole discretion, finds defective. The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Banning be liable for consequential special, or indirect damages.

While Banning may provide application assistance personally, through our literature and the Banning web site, it is buyer's sole responsibility to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this writing. However, Banning assumes no responsibility for its use.

SALES & SERVICE

Banning serves its clients through a worldwide network of sales offices, agents and distributors. For application assistance specifications, prices or names with the nearest authorized dealer, please contact your sales specialist or contact us directly:

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