

MB260/MB261/MB264 Submersible Level Transmitter

Features

- Separate construction. Full sealed stainless steel construction for submersible part; sensor and amplifier circuit are all in the sealed housing; IP68;
- Aluminum-alloy electric connection box is optional to ease wiring; IP65;
- Removable top stainless steep cap; prevent diaphragm damage and ease cleaning.

Introduction

The MB260/MB261/MB264 Submersible Level Transmitter adopts high performance pressure sensor as sensing element, which could measure liquid static pressure that is positive proportional to level depth precisely, and transform pressure signal into standard current/voltage signal output by amplifier circuit to measure accurate level depth. The product has high accuracy, compact size, easy installation, can be submersible into the liquid directly to measure level from transmitter bottom to the liquid surface.

It can be widely used for water and level measure and control of petroleum, chemi-industry, power station, city water supply and drainage and hydrology, etc.

The main difference among MB260/MB261/MB264 is the material of the submersible Level casing, MB260 is a universal type with NBR tube; MB261 and MB264 are its promotion version for more special measuring medium. MB261 has stainless steel tube protection, MB264 has the anticorrosion tube to prevent from a variety of acid-base or other corrosive liquids.



Specification

Pressure range	MB260	1 2 5 10 20 50 100 200 mH2O
	MB261	1 2 5 10 20 50 mH2O
	MB264	1 2 5 10 20 50 100 200 mH2O
Measuring Medium	MB260	Liquid, which is compatible with stainless steel.
	MB261	Liquid, which is compatible with stainless steel.
	MB264	Variety of acid-base or other corrosive liquid.
Overpressure	200%FS	
Accuracy	± 0.5%FS(typ.)	
Transmitting	2-wires	3-wires
Output signal	4~20mA	0~5V, 1~5V etc.
Power supply	24VDC	
Load(Ω)	<(U-15)/0.02A	
Operation ambient temp.	0~80℃	
Storage temp.	-30~100℃	

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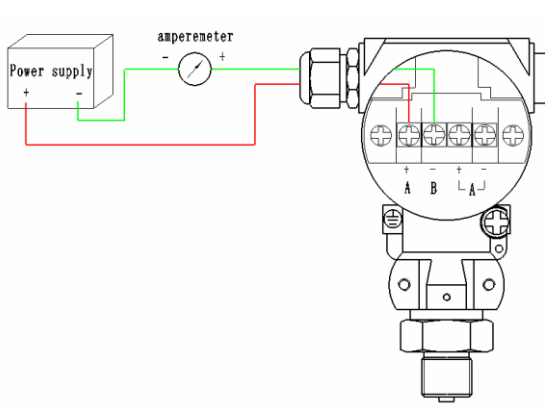
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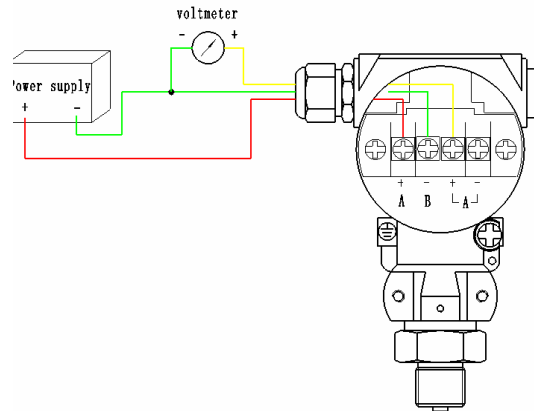
Medium temp.	0~120℃			
Compensated temp.	-10~80℃			
Material contacting With media	Housing	Stainless steel	Seal part	Viton
	Diaphragm	Stainless steel 316L		
	Submersible Cable	MB260	NBR	
		MB261	Stainless steel	
MB264		Anticorrosion tube		
Protection	IP68(Sensor part);IP65(Connection box)			
EX-Proof class	Exia II CT6			

Electrical Connection

2-wires、4~20mA output:

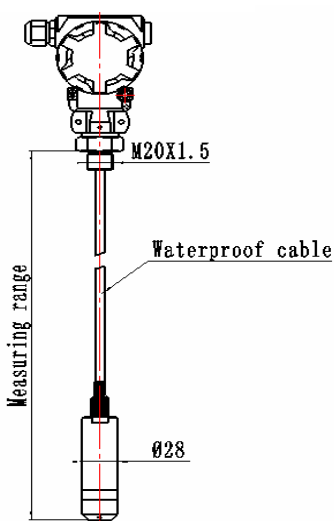


3-wires、0~5V or 1~5V output:

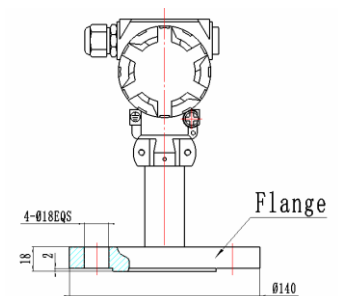
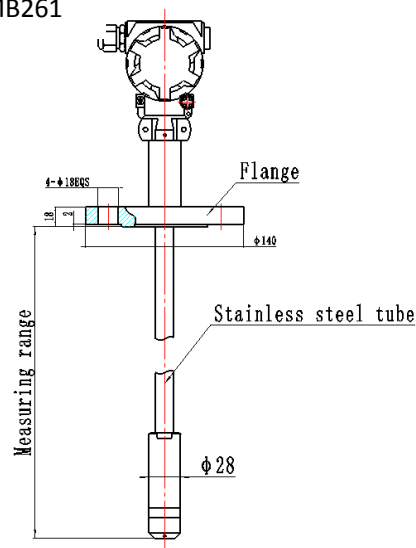


Outline Structure (Unit:mm)

MB260 & MB264



MB261



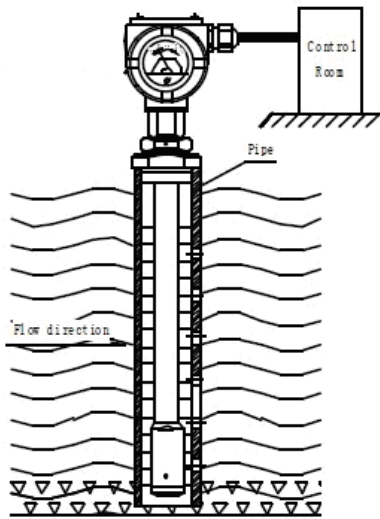
Installed on the bottom of the pressure container for liquid level measurement.

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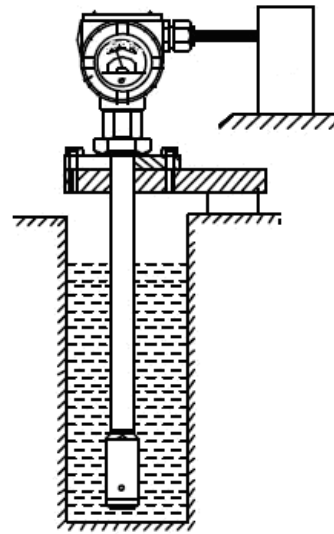
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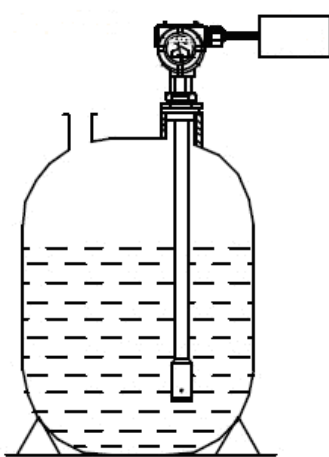
Application



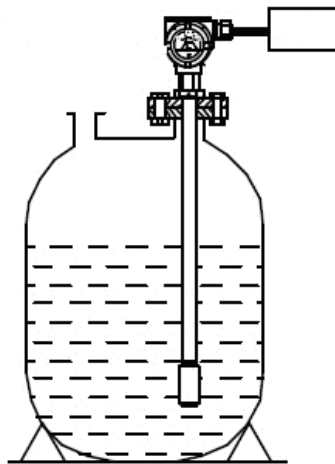
Install in the flowing water



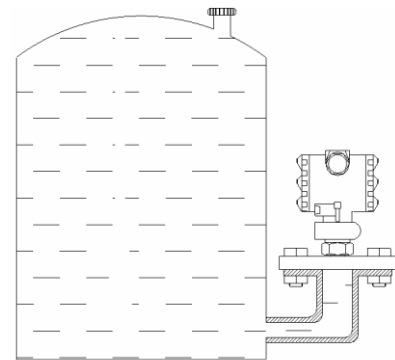
Install in the static water



Thread type installed in the open oil tank



Flange type installed in the open oil tank



Flange type installed on the bottom of the big oil tank

Order Guide

MB260	(NBR tube) (typ.) Level Transmitter		
MB261	(SS316L tube) Level Transmitter		
MB264	(Anticorrosion tube) Level Transmitter		
	50m	Height of measured liquid (Unit m)	
		Code	Excitation
		V1	24V
		V2	12V
		V3	Others (please specify)

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Submersible Level Transmitter

				Code		Output signal					
				S1		4~20mA					
				S2		1~5V					
				S3		0~5V					
				S4		Others (please specify)					
						Code		Pressure connection			
						C1		M20×1.5			
						C2		G1/2			
						C3		Flange			
						C4		Others (please specify)			
						Code		Accuracy			
						A1		0.1%FS			
						A2		0.25%FS			
						A3		0.5%FS			
						A4		1%FS			
								S		Others Please note when ordering	
				MB260	50m	V1	B1	C1	A1	S	

Order Note:

1. Please pay attention if the media is compatible with contacting material, especially pay attention to media density at measuring situation (except water), please note it in the order, if it is corrosive or sticky etc.
2. We provide the user with PVC or polyurethane cable; polyurethane cable is more flexible and wearable. If the user has no special requirements, the default would be PVC cable;
3. If the transmitters installed in lightning and thunder area, please note "lightning Protection" in the order; we suggest to use lightning protection device to make sure power is grounding safely;
4. When transmitter's armour tube more than 2m, we would provide the user with divided steel tube to help delivery. Please install tubes in local place;
5. When transmitter is working, please do not pull flexible steel tube to protect it;
6. All specifications are subject to change. Contact Gaohua for specifications and engineering drawings that are critical to your application. Drawings contained in this document are for reference only.

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