

LG-SERIES LG-100, 200,300 Specification

Specification			
Model	100	200	300
Measuring Range	Max 4M	2 to 12M	Max 1.2M
Display Method	One needle type (height display/capacity display/height + capacity display)	2 needle type (height display)	One needle type (height display/capacity display/height + capacity display)
Temperature	Max 120°C	Max 60°C	Max 120°C
Pressure	Max 3.0MPa	ATM	MAX 1.0Mpa
Contact Output	Max 8 contacts 4-20mA Resistance output Contact out put + 4-20mA or Resistance output	Max 8 contacts 4-20mA Resistance output Contact out put + 4-20mA or Resistance output	1 contact out put
Contact Capacity	LT type AC250V10A /DC250V 0.3A XT type DC250V3A LB type AC250V3A/ DC250V 0.2A	LT type AC250V10A /DC250V0.3A XT type DC250V 3A	1L AC250V10A/DC250V 0.3A 1LB AC250V3A/DC250V 0.2A
Contact mechanism	Fixed mount type and changeable type	Fixed mount type	Fixed mount type and changeable type
Material for Liquid	SUS304		
Explosion Proof	d2G4	d2G4	

100 Series



This level gauge detects the liquid title with the float, changes the measurement stroke into the turning angle degree through the tape for transmission, and directs the liquid title. The wireless pressure point of contact is supplied by using the cogwheel, the micro Switch, and the cam. Moreover, using the DC4-20mA output together is also possible according to the combination of the potentiometer and the R/I conversion machine.

200 Series



This level gauge uses the constant spring and is a product of two needle type that achieves a wide range of the measurement.

The structure detects the liquid title with the float, changes the measurement stroke into the turning angle degree through the tape for transmission, and directs the liquid title.

The wireless pressure point of contact is supplied by using the cogwheel, the micro Switch, and the cam.

Moreover, using the DC4-20mA output together is also possible according to the combination of the potentiometer and the R/I conversion machine.

300 Series



This level gauge is a small, cheap product. The structure detects the liquid title with the float, changes the measurement stroke into the turning angle degree through the tape for transmission, and directs the liquid title. The wireless pressure point of contact is supplied by using the cogwheel, the Micro Switch, and the cam.

LG-SERIES 500, 600,800 Specification

Specification			
Model	500	600	800
Measuring Range	Max 8M	Max 1.2M	Max 30M
Display Method	One needle type (height display/capacity display/height + capacity display)	2 needle type (height display)	2 needle type (height display)
Temperature	ATM	MAX. 120°C	Max 60°C
Pressure	Max 3.0MPa	Max.1.0MPa	ATM
Contact Output	Max 8 contacts 4-20mA Resistance output Contact out put + 4-20mA or Resistance output	Max 4 contacts	Max 16 contacts 4-20mA Resistance output Contact out put + 4-20mA or Resistance output
Contact Capacity	AC250V10A/DC250V 0.3A XT type DC250V3A LB type AC250V3A/DC250V 0.2A	AC250V10A /DC250V0.3A	AC250V15A/DC250V 0.25A
Contact mechanism	Fixed mount type	Fixed mount type	Fixed mount type a
Material for Liquid	SUS304		
Explosion Proof	d2G4		

500 Series

This level gauge uses the constant spring and is a product of one needle type that achieves a wide range of the measurement.



The structure detects the liquid title with the float, changes the measurement stroke into the turning angle degree through the tape for transmission, and directs the liquid title.

The wireless pressure point of contact is supplied by using the cogwheel, the Micro Switch, and the cam.

Moreover, using the DC4-20mA output together is also possible according to the combination of the potentiometer and the R/I conversion machine.

600 Series



This level gauge is a small, cheap product.

The structure detects the liquid title with the float, changes the measurement stroke into the turning angle degree through the tape for transmission, and directs the liquid title.

The wireless pressure point of contact is supplied by using the cogwheel, the Micro Switch, and the cam.

800 Series



To detect it by using the float and Counter Weight with the level meter that is appropriate for the water level measurement of the drain pond and the river in the hydroelectric power plant, WAKO KEISOKU will recommend it for the control and warning water levels with an especially intense vertical motion.

The wire rope with the dot and the gem is used so that the wire rope may avoid trouble by slipping with pulley.

WAKO KEISOKU CORPORATION

Tank Gauge , Level Instrument

Specification 800				
Measuring Range	MAX. 30M			
Display Method	2 needle type (height display)			
Temperature	Max.60			
Pressure	ATM			
Output	Max 16 contacts	4-20mA	Resistance output	Contact out put + 4-20mA or Resistance output
Contact Capacity	AC250V 15A/DC250V , DC250V 0.25A			
Contact Function	Fixed mount type			
Material for Liquid	SUS304			

900 Series

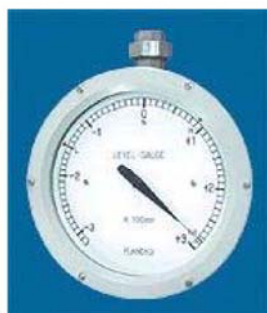
Please think the expansion of the scale of 100 type series about this level gauge.

The backlight and the put thing can be done in the option in the display part.

The structure detects the liquid title with the float, changes the measurement stroke into the turning angle degree through the tape for transmission, and directs the liquid title.

The wireless pressure point of contact is supplied by using the cogwheel, the micro switch, and the cam.

Moreover, using the DC4-20mA output together is also possible according to the combination of the potentiometer and the R/I conversion machine.



Specification Model LG-900				
Measuring Range	MAX. 5M			
Display Method	One needle type (height display/capacity display/height + capacity display)			
Temperature	Max.120			
Pressure	MAX. 3.0MPa			
Output	Max 8 contacts	4-20mA	Resistance output	Contact out put + 4-20mA or Resistance output
Contact Capacity	LT type	AC250V10A/DC250V	0.3A	XT type DC250V3A
Contact Function	Fixed mount type			
Material for Liquid	SUS304			
Explosion Proof	d2G4			

T-Series

This level switch is a detector that operates the switch for the liquid level change in tank such as water and the lubricants at an arbitrary level.

Chiefly, they are comparatively detectors such as the part bearings on the water mill bearing and the dynamo and lower bearing oil tanks in the hydroelectric power plant that is appropriate for a small point to change.

Specification	
Measuring Range	MAX. 3M
Display Method	One needle type (height display/capacity display/height + capacity display)
Temperature	Max.120
Pressure	MAX. 3MPa
Output	None
Contact Capacity	None
Contact Function	None
Material of Liquid	SUS304
Explosion Proof	None

400 Series

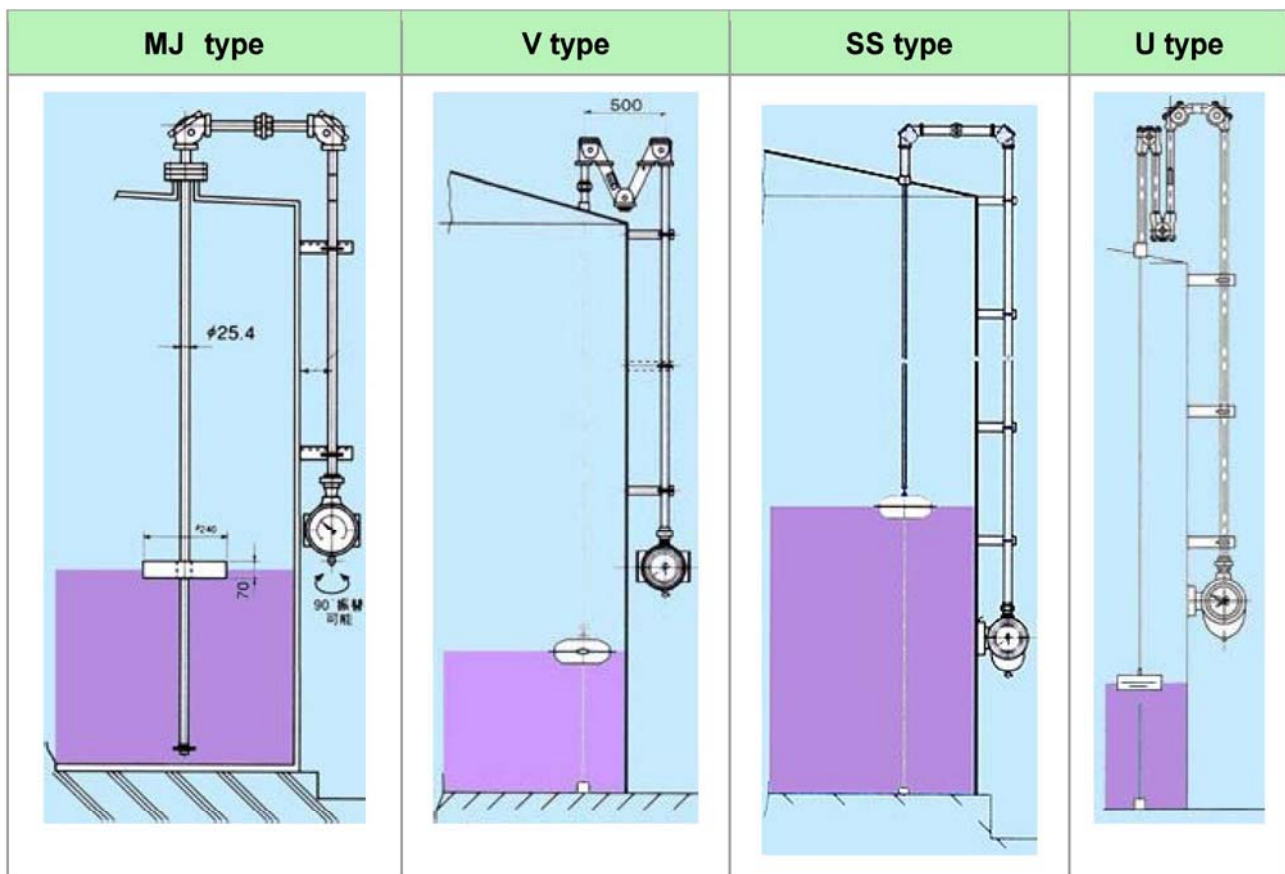
This level gauge is a level gauge that can be watched from the upper surface that can be used for the fuel tank etc. of the solvent, the medicine, ink, the underground fuel tank, and the small craft.

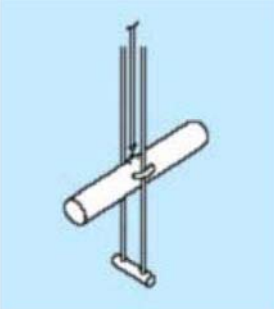
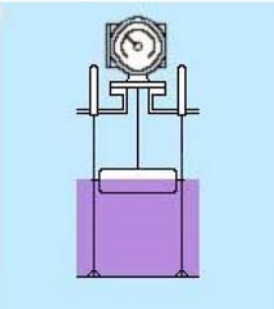
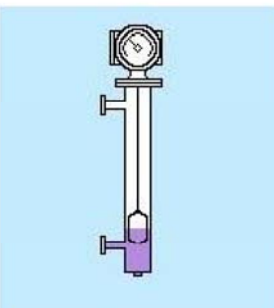
The structure detects the liquid title with the float, changes the measurement stroke into the turning angle degree through the tape for transmission, and directs the liquid title.

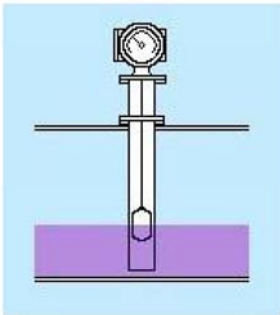
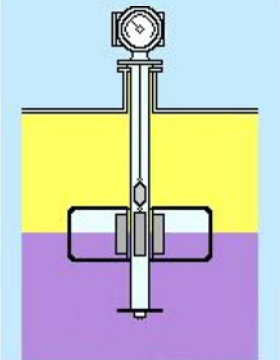
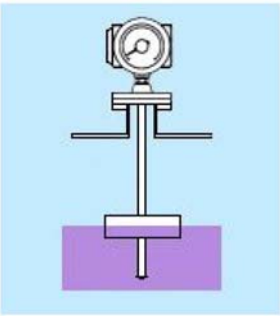


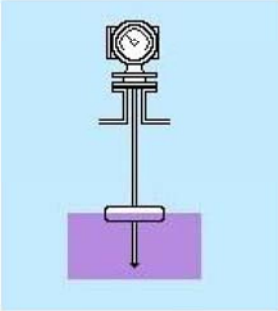
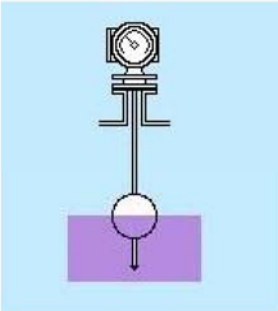
Specification Model LG-400	
Measuring Range	MAX. 3M
Display Method	One needle type (height display/capacity display/height + capacity display)
Temperature	Max.120
Pressure	MAX. 3.0MPa
Output	None (Watching)
Material for Liquid	SUS304

Detection procedure



<p>S 方式</p>		<p>Wire weight is used by the guide rail method by the measurement stroke 2m in the measurement stroke of 2m or more.</p> <p>The float uses the cylinder type float.</p> <p>It is suitable for the tank of open of the normal temperature and the normal pressure.</p>
<p>SS Type</p>		<p>It is suitable for the tank of the measurement stroke 2m or more.</p> <p>It is a method to operate the guide wire that picks up the slack by using the spring cylinder for the ear of the float as a guide.</p> <p>The float uses the flat type float.</p> <p>It is suitable for the pit and the tank of drain storing water tank etc. of the normal temperature and the normal pressure.</p>
<p>SD Type</p>		<p>It is a method to install Chamber (Protection for Wave) on the tank side.</p> <p>The float uses a flat type or the column type flow.</p> <p>It uses it for the stirred tank.</p> <p>Chamber (Protection for Wave) does and the wave does the role of disregarding.</p> <p>When it is not possible to install on the tank top and to do, it uses it.</p>

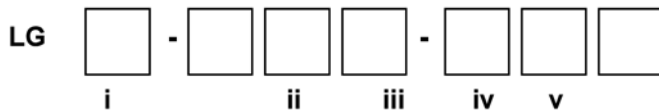
<p>SG Type</p>	 <p>The diagram shows a cross-section of a tank with a liquid level. A vertical pipe with a float valve is inserted into the tank. The float valve is positioned at the liquid level, and a gauge is attached to the top of the pipe. The float valve is shown in a closed position, preventing liquid from rising in the pipe.</p>	<p>It is a method to insert Chamber (Protection for Wave) from the tank top.</p> <p>The float uses a flat type or the column type flow.</p> <p>It uses it for the stirred tank.</p> <p>Chamber (Protection for Wave) does and the wave does the role of disregarding.</p>
<p>M type</p>	 <p>The diagram shows a cross-section of a tank with a liquid level. A vertical pipe with a float valve is inserted into the tank. The float valve is positioned at the liquid level, and a gauge is attached to the top of the pipe. The float valve is shown in an open position, allowing liquid to rise in the pipe.</p>	<p>The detection method that starts by M has the magnet in the guide pipe in the float.</p> <p>The purpose of this is to isolate in the tank interior and the guide pipe, and when pressure hangs in the liquid and the tank volatility's there, it uses it.</p>
<p>MJ type</p>	 <p>The diagram shows a cross-section of a tank with a liquid level. A vertical pipe with a float valve is inserted into the tank. The float valve is positioned at the liquid level, and a gauge is attached to the top of the pipe. The float valve is shown in a closed position, preventing liquid from rising in the pipe.</p>	<p>It is a suitable method for the tank of the measurement stroke 2m or more.</p> <p>Uniting of the float and the tape is used placing the flange for the guide pipe by an indirect method using the magnet and crowding.</p> <p>The float uses the doughnut type with the magnet.</p> <p>It uses it for the tank such as the liquids that pollute the tank where lamp soot goes up and the atmosphere.</p>

MFtype		<p>Uniting of the float and the tape is used placing the flange (two step expression) for the guide pipe by an indirect method using the magnet and crowding.</p> <p>The float uses the doughnut type with the magnet.</p> <p>Pressure 500Kpa and temperature 100℃ is suitable for the tank of C or less.</p> <p>The guide pipe installation flange is fixed to the tank with the bolt, and used for the tank and the sealing up vacuum tank etc. such as the liquids that pollute the tank where the ship, the chemical, and lamp soot go up and the atmosphere.</p>
MH type		<p>Uniting of the float and the tape is used placing the flange (two step expression) for the guide pipe by an indirect method using the magnet and crowding.</p> <p>The float uses globular with the magnet.</p> <p>Pressure 3Mpa and temperature 100℃ is suitable for the tank of C or less.</p> <p>The guide pipe installation flange is fixed to the tank with the bolt and used for high-pressure tanks such as propane, butane, and ammonia in the tank and the sealing up vacuum tank etc. such as the liquids that pollute the tank where the ship, the chemical, and lamp soot go up and the atmosphere.</p>

How to select the Model for your specification

MODEL

3 numbers for Product (Example: LG-100)



Explosion Proof

i	NONE	.....	only IP protection
	E	.....	Explosion Proof

Display and options

ii	0	.....	Only Display at site
	2	.....	Display and Resistance output
	3	.....	Display and Current output

Tape ,Float and installation

iii	0	.....	Tape & Float are Connecting directly and Tank Top Type
	1	Tape & Float are Magnetic coupling and Indirect type
	2	Tank Side

iv	1 to 8	Number of contacts (Number of Micro switch)
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v		LT Instruction meter back switch mechanism installation
			8 point of contact or less point of contact position is non-fixed.
		XT	..... LT type magnetism switch building in
			4 point of contact or less point of contact position is non- fixed.
		LB It is a switch mechanism building in instruction meter all aspects.
			2 point of contact or less point of contact position is fixed.

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